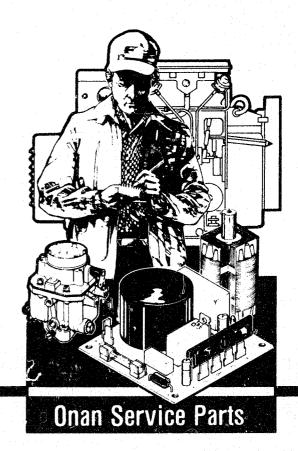
The following catalog has gaps in its page numbers, or doesn't have any numbers. We have chosen to leave the page numbering in the order that Acrobat assigns it.

# Onan

# Parts Manual

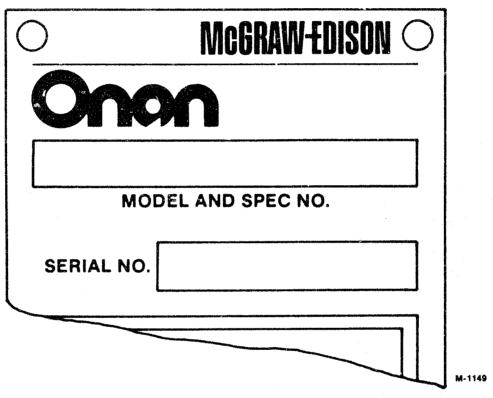
225 Amp
Transfer
Switch



#### GENERAL INFORMATION

For parts or service, contact the dealer from whom you purchased this equipment or refer to your Nearest Authorized Onan Parts and Service Center.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan nameplate.



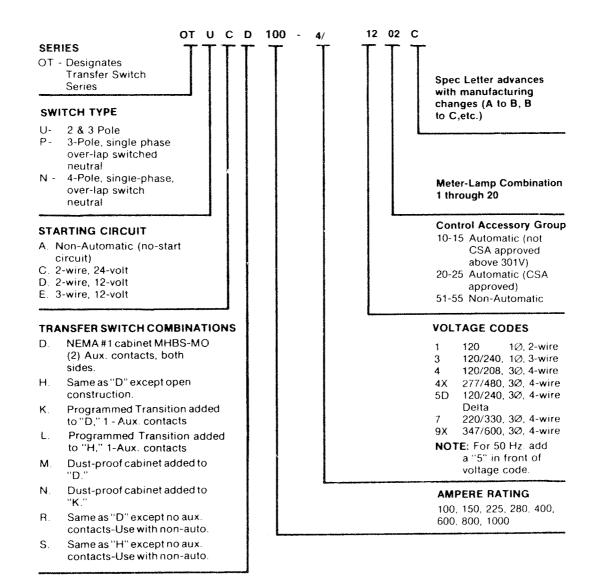
For handy reference, insert "YOUR" nameplate information in the spaces above.

#### INDEX

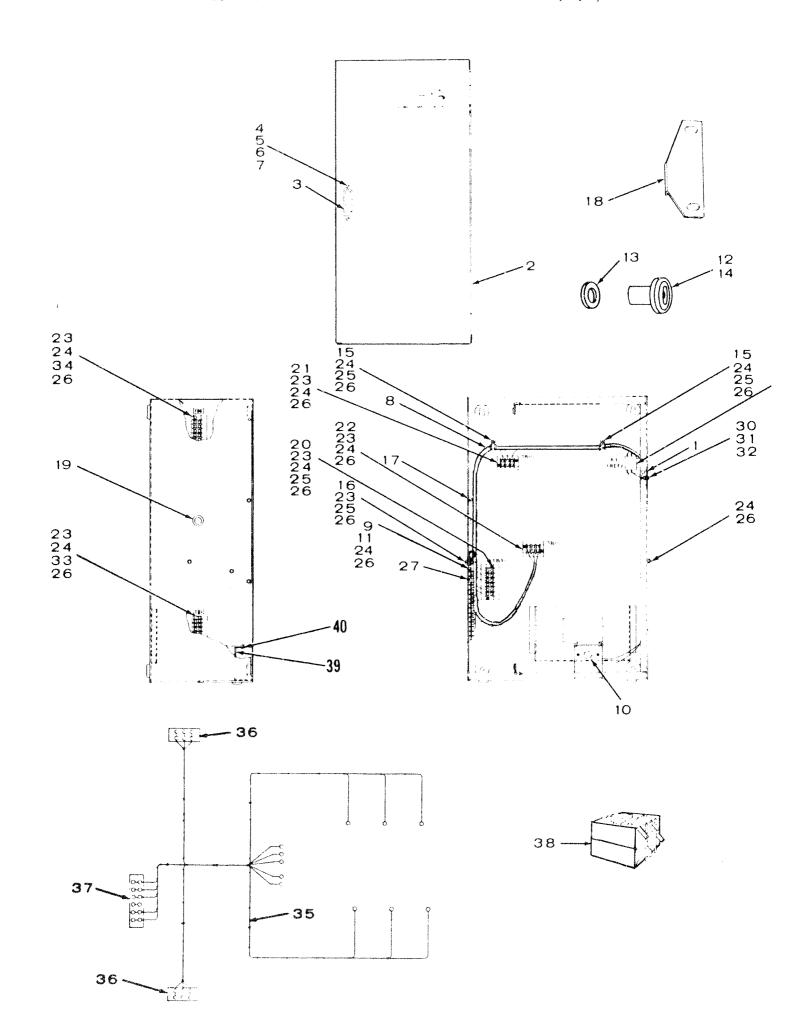
Block and Crossbar Assembly (Spec A and B) D13, D14
Block and Crossbar Assembly (Spec C) E1, E2
Cabinet-Standard (Automatic 2 and 3 Pole)
Cabinet-Standard (Automatic 4 Pole)
Cabinet-Standard (Non-Automatic 2 and 3 Pole)A7, A8
Charger-Battery (2 Ampere)
Charger-Battery (300 Milliampere)
Clock-Exerciser B12
Panel-Meter and LampA11-A13
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Panel-Relay Type
Panel-Swinging (Spec A)B5-B7
Panel-Swinging (Begin Spec B)B9-B11
Relay-Auxiliary StartingC4
Relay-Time Delay Preheat
Relay-Time Delay RetransferC3
Sensor-Battery Voltage B13
Sensor-Over VoltageB14
Sensor-Voltage (Single Phase)
Sensor-Voltage (Three Phase)
Switch-Retransfer
Switch-Transfer (2 and 3 Pole)
Switch-Transfer (2 and 3 Pole Programmed Transition) D3, D4
Switch-Transfer (4 Pole)
Switch-Transfer (4 Pole Programmed Transition)D7, D8
Swithcing Assembly (2 and 3 Pole)
Switching Assembly (4 Pole)

This catalog applies to the OT Transfer Switches as indicated below. Parts are arranged in sections. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the MODEL and SPEC NO. from the switch box nameplate select the parts that apply to your transfer switch. Unless otherwise mentioned in the description, parts are interchangeable between models. Throughout this catalog, front of transfer switch is the door side. Right and left sides are determined by facing the cabinet doors.

#### MODEL IDENTIFICATION



### CABINET ASSEMBLY (AUTOMATIC) - 2 AND 3 POLE TRANSFER SWITCH COMBINATIONS D,H,K,L

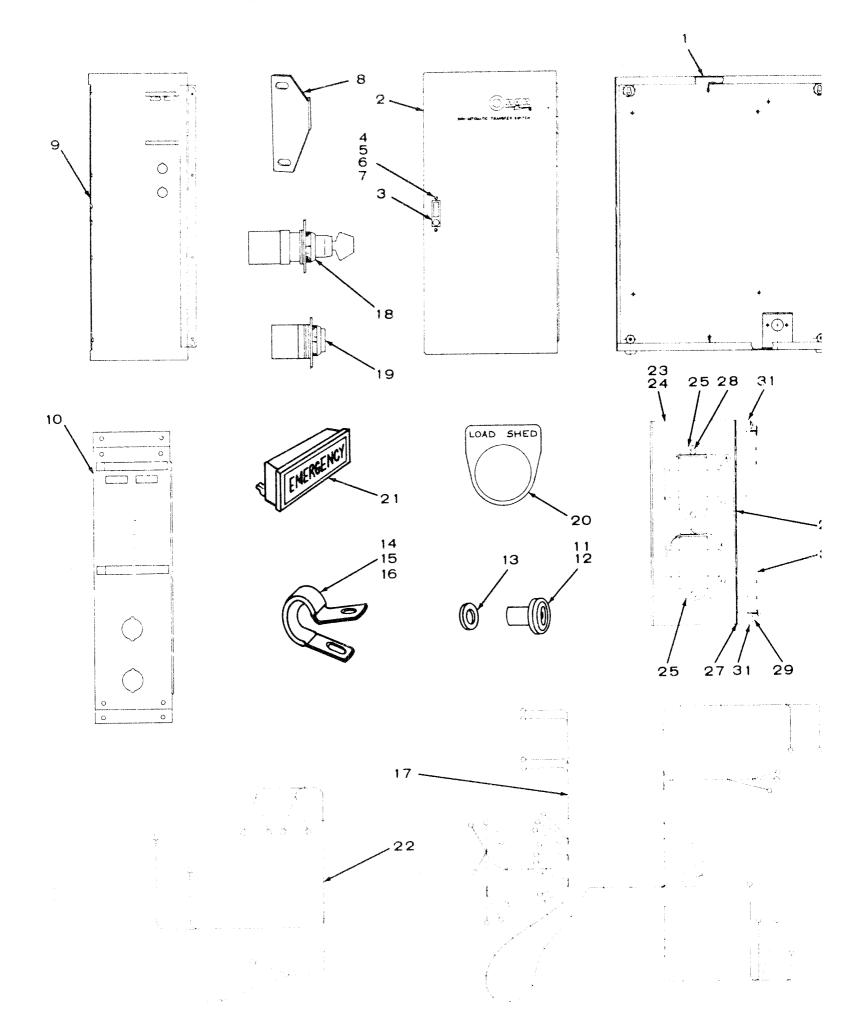


# CABINET ASSEMBLY (AUTOMATIC) - 2 AND 3 POLE TRANSFER SWITCH COMBINATIONS D,H,K,L OT \_ \_ \_ \_ \_ \_ \_ / \_ \_ \_ \_

EF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	BOX. CONTRO	)L		23	812-0084	12	Screw, Machine - Round Head
	301-4300	1	Transfer Switch Combinations D.K				(#8-32 x 1") - Transfer Switch
	301-4847	1	Transfer Switch Combinations H.L.				Combinations H.L.
2	301-4323	1	Door, Cabinet - Transfer	24	853-0005	16	Washer, Lock - ET (#8) -
			Switch Combinations D.K				Transfer Switch Combinations H.L.
			(Includes Parts Marked 1)	25 812-0077		4	Screw, Machine - Round Head
3	406-0362	1	*Lock, Panel - Transfer Switch				(#8-32 x 3/8") - Transfer
			Combinations D,K				Switch Combinations H.L.
4	813-0102	2	'Screw, Machine - Round Head	26	860-0008	16	Nut, Hex (#8-32) - Transfer
			(#10-32 x 5/8") - Transfer				Switch Combinations H,L
			Switch Combinations D,K	27	812-0061	2	Screw, Machine - Round Head
5	861-0008	2	*Nut, Hex (#10-32) - Transfer				(#6-32 x 3/8") - Transfer
			Switch Combinations D,K				Switch Combinations H,L
6	853-0008	2	*Washer, Lock - ET (#10) -	28	526-0048	2	Washer, Flat - Brass (.172" ID
			Transfer Switch Combinations D.K				x 3/8" OD x 1/32" Thk) -
7	406-0364	2	*Spacer, Door Latch - Transfer				Transfer Switch Combinations H.L.
			Switch Combinations D,K	29	860-0006	2	Nut, Hex (#6-32) - Transfer
8	HARNESS, WIF	RING (II	ncludes Parts Marked †)				Switch Combinations H,L
	338-1049	1	Transfer Switch Combinations	30	810-0081	1	Screw, Machine - Round Head -
			D and K (Except Voltage Codes				Brass (#8-32 x 5/8") - Transfer
			7,9X,57,59X				Switch Combinations H.L.
	338-1049	1	Transfer Switch Combinations H.L.	31	526-0062	2	Washer, Flat - Brass ( 200" ID
	338-1105	1	Transfer Switch Combinations				x 1/2" OD x 1/16" Thk) -
			D and K - Voltage Codes 7,57				Transfer Switch Combinations H.L.
	338-1105	1	Transfer Switch Combination K -	32	871-0007	2	Nut, Hex (#8-32) - Brass -
			Voltage Codes 9X,59X				Transfer Switch Combinations H.L.
	338-1118	1	Transfer Switch Combination D -	33	332-1699	1	Strip, Marker - Transfer
			Voltage Codes 9X,59X				Switch Combinations H.L.
9	332-1697	1	†Block, Terminal (14 place)	34	332-1469	1	Strip, Marker - Transfer
10	323-0900	1	†Receptacle, Twistlock				Switch Combinations H.L.
11	332-1698	1	Strip, Marker	35			INTER CONNECTION - TRANSFER
12	406-0363	2	Pin, Hinge			COMBINA	TIONS H,L (Includes Parts Marked £)
13	508-0177	1	Washer, Nylon		338-1226	1	Voltage Codes 3,53
14	406-0370	1	Pin, Latch		338-1227	1	Voltage Codes 4,5D,4X,54,55D,54X
15	332-1356	2	Clamp, Loop	36	332-2206	2	£Block, Terminal (3 Place) -
16	CLAMP, LOOP	)					Transfer Switch Combinations
	332-1024	2	Transfer Switch Combinations H.L.				H.L (Voltage Codes 3.4.5D.4X,
	332-1414	6	Transfer Switch Combinations D.K				53,54,55D,54X)
17	CLAMP, LOOP			37	332-1541	1	£Block, Terminal (6 Place) -
	332-0050	2	Transfer Switch Combinations H.L.				Transfer Switch Combinations
	332-0050	1	Transfer Switch Combinations D.K				H,L (Voltage Codes 3,4.5D,
18	301-3524	1	Plate, Striker - Transfer				4X,53,54,55D,54X)
			Switch Combinations - D,K	38	*	rerposin	
19	508-0144	1	Grommet, Rubber - Transfer		307-1545	1	Voltage Codes 3,4,5D,53,54,55D
			Switch Combinations H,L		307-1546	1	Voltage Codes 4X,54X
20	332-2203	1	Strip, Marker - Transfer				
			Switch Combinations H,L	39	323-1129	1	Guard, Receptacle
21	332-2205	1	Strip, Marker - Transfer	40	518-0402	1	Clip
			Switch Combinations H,L				·
22	332-2204	1	Strip, Marker - Transfer		- Parts Inclu	ded in 301	-4323 Cabinet Door.
			Switch Combinations H.L.	+	- Parts Inclu	ded in Wir	ing Harness Assembly.

 <sup>† -</sup> Parts Included in Wiring Harness Assembly.
 £ - Parts Included in 338-1226 and 338-1227
 Inter Connection Wiring Harness.

# CABINET ASSEMBLY (NON-AUTOMATIC) - 2 AND 3 POLE TRANSFER SWITCH COMBINATIONS D,H,R,S

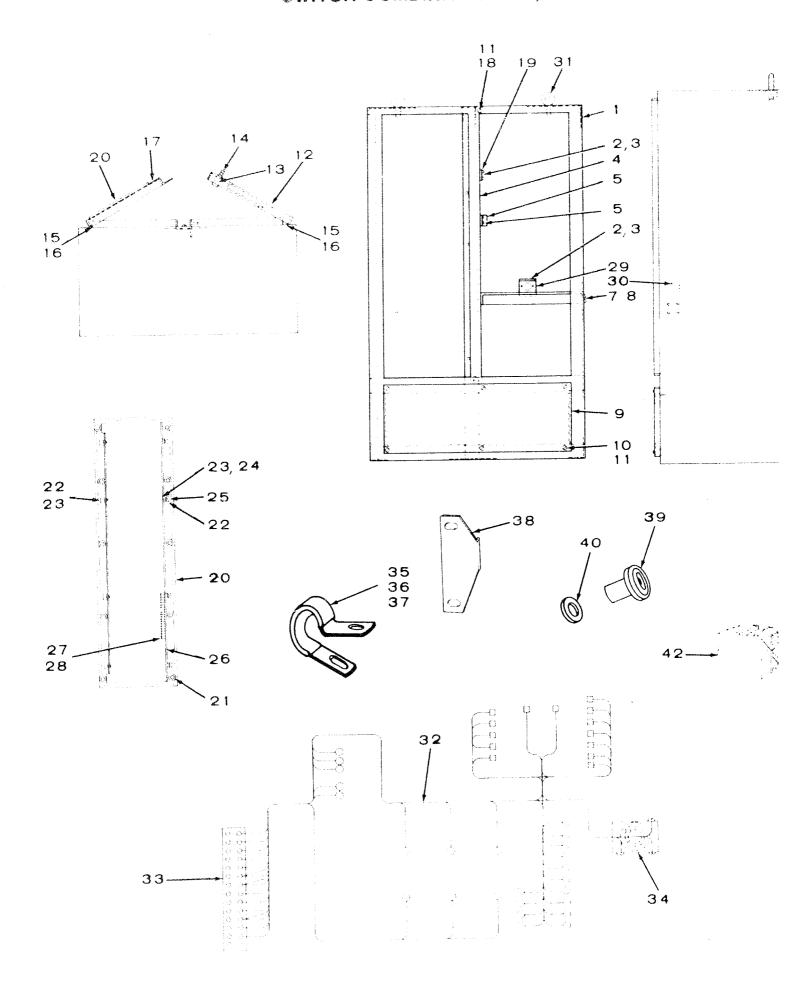


# CABINET ASSEMBLY (NON-AUTOMATIC) - 2 AND 3 POLE TRANSFER SWITCH COMBINATIONS D,H,R,S

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REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-4300	1	Box, Control - Transfer Switch Combinations D.R	16	332-0050	1	Clamp, Loop - Transfer Switch Combinations D.R
2	301-4871	1	Door, Cabinet - Transfer	17	HARNESS.V	VIRING	
			Switch Combinations D.R		338-1249	1	Transfer Switch Combinations D.R
			(Includes Parts Marked *)		338-1250	í	Transfer Switch Combinations H,S
3	406-0362	1	*Lock, Panel - Transfer		338-1251	1	Transfer Switch Combination R
			Switch Combinations D,R		338-1252	1	Transfer Switch Combination S
4	406-0364	2	*Spacer, Door Latch - Transfer	18	308-0481	1	Switch, Selector (Key)
_	0.0.0.00		Switch Combinations D.R	19	308-0480	1	Switch, Push Button
5	813-0102	2	*Screw, Machine - Round Head	20		END TRA	ANSFER SWITCH COMBINATIONS H.S.
			(#10-32 x 5/8") - Transfer	20	308-0485	1	Load - Shed
C	861-0008	2	Switch Combinations D.R		308-0486	1	Normal - Off - Emergency
6	00 1-0000	2	*Nut, Hex (#10-32) - Transfer Switch Combinations D.R	21	LAMP.INDIC	CATOR	
7	853-0008	2	*Washer, Lock - ET (#10) -	-	322-0146	1	Normal
•	0.00-0000	L	Transfer Switch Combinations D.R		322-0147	1	Emergency
8	301-3524	1	Plate, Striker - Transfer	22	338-1258	1	Harness, Wiring - Lights
0	001 0021	•	Switch Combinations D.R	23	315-0374	1	Transformer Assembly - Step
9	301-4859	1	Panel, Meter - Transfer				Down (Includes Parts Marked †)
Ü	30 - 7000	•	Switch Combinations D.R	24	301-3499	1	†Bracket, Transformer Mounting
10	301-4863	1	Panel, Meter - Transfer	25	315-0375	2	†Transformer, Step Down
			Switch Combinations H,S	26	332-1468	1	†Block, Terminal
11	406-0363	2	Pin, Hinge - Transfer Switch	27	332-1663	1	†Strip, Marker
			Combinations D,R	28	815-0387	4	tScrew, Machine - Round Head
12	406-0370	1	Pin, Latch - Transfer Switch				(#6-32 x 1/4")
			Combinations D,R	29	812-0066	2	†Screw, Machine - Round Head
13	508-0177	2	Washer, Nylon - Transfer			_	(#6-32 x 3/4")
			Switch Combinations D,R	30	332-1651	1	†Cover, Protection
14	332-1356	2	Clamp, Loop - Transfer	31	508-0074	2	†Washer, Insulator
			Switch Combinations D.R		D 1.1		1074 Cabinat Door
15	332-1414	6	Clamp, Loop - Transfer				871 Cabinet Door
			Switch Combinations D.R	r -	Paris include	eu in Trans	sformer Assembly

# CABINET ASSEMBLY (AUTOMATIC) - 4 POLE - TRANSFER SWITCH COMBINATIONS D,K

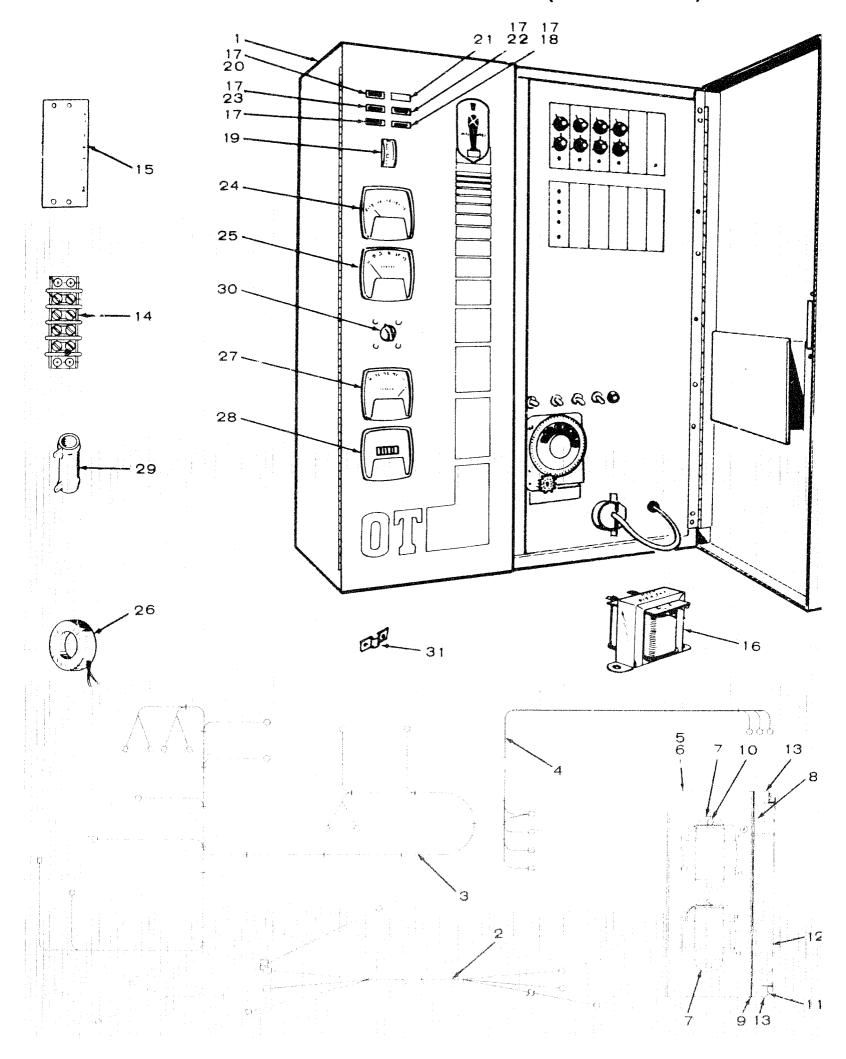


# CABINET ASSEMBLY (AUTOMATIC) - 4 POLE - TRANSFER SWITCH COMBINATIONS D,K

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REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-4510	1	Box, Control	23	856-0002	8	Washer, Lock - EIT (#8)
2	813-0096	6	Screw, Machine - Round Head	24	860-0008	2	Nut, Hex (#8-32)
			(#10-32 x 1/4")	25	150-0302	4	Spacer
3	853-0008	6	Washer, Lock - ÉT (#10)	26	301-3893	1	Bracket, Terminal Block
4	301-4503	1	Support, Control Box Center	27	812-0066	2	Screw, Machine - Round Head
5	406-0420	1	Strike, Catch				(#6-32 x 3/4")
6	301-4745	1	Bracket, Disconnect Plug	28	856-0001	2	Washer, Lock - EIT (#6)
7	813-0009	4	Screw, Machine - Round Head	29	323-1129	1	Guard, Receptacle
			(#10-32 x 7/16")	30	518-0402	2	Clip, Speed
8	854-0010	4	Washer, Lock - IT (#10)	31	403-0931	2	Eyebolt, Lifting
9	301-4506	1	Panel, Front	32	338-1260	1	Harness, Wiring (Includes
10	812-0150	4	Screw, Machine - Round Head				Parts Marked Δ)
			(1/4-20 x 5/8")	33	332-1697	1	∆Block, Terminal
11	854-0014	8	Washer, Lock - IT (1/4")	34	323-0900	1	ΔReceptacle, Twistlock
12	301-5133	1	Door, Right Side (Includes	35	332-1356	2	Clamp, Loop
			Parts Marked *)	36	332-1414	6	Clamp, Loop
13	406-0418	2	*Bar, Locking - Door	37	332-0050	6	Clip, Tinnerman
14	406-0253	1	*Handle, Lock (With Latch) -	38	301-3524	1	Plate, Striker
			Door	39	406-0370	1	Pin, Latch
15	860-0008	12	Nut, Hex (#8-32)	40	508-0177	2	Washer, Nylon
16	853-0005	12	Washer, Lock - ET (#8)	41	406-0363	2	Pin, Hinge
17	301-4499	1	Door, Left Side	42	RELAY, INT	ERPOSIN	G
18	812-0148	2	Screw, Machine - Round Head		307-1545	1	3,4,5D,53,54,55D
			(1/4-20 x 1/2")		307-1546	1	440/480 Volt 4X, 54X
19	301-4578	1	Bracket, Swinging Panel				
20	301-3895	1	Plate, Meter Panel Mounting				5133 Door (Right Side).
21	870-0299	10	Nut, Hex with Washer (1/4-20)	Δ -	Parts Includ	led in 338-1	1260 Wiring Harness.
22	812-0079	8	Screw, Machine - Round Head (#8-32 x 1/2")				

#### **METER-LAMP COMBINATION PANELS (1 THROUGH 18)**



#### METER-LAMP COMBINATION PANELS (1 THROUGH 18)

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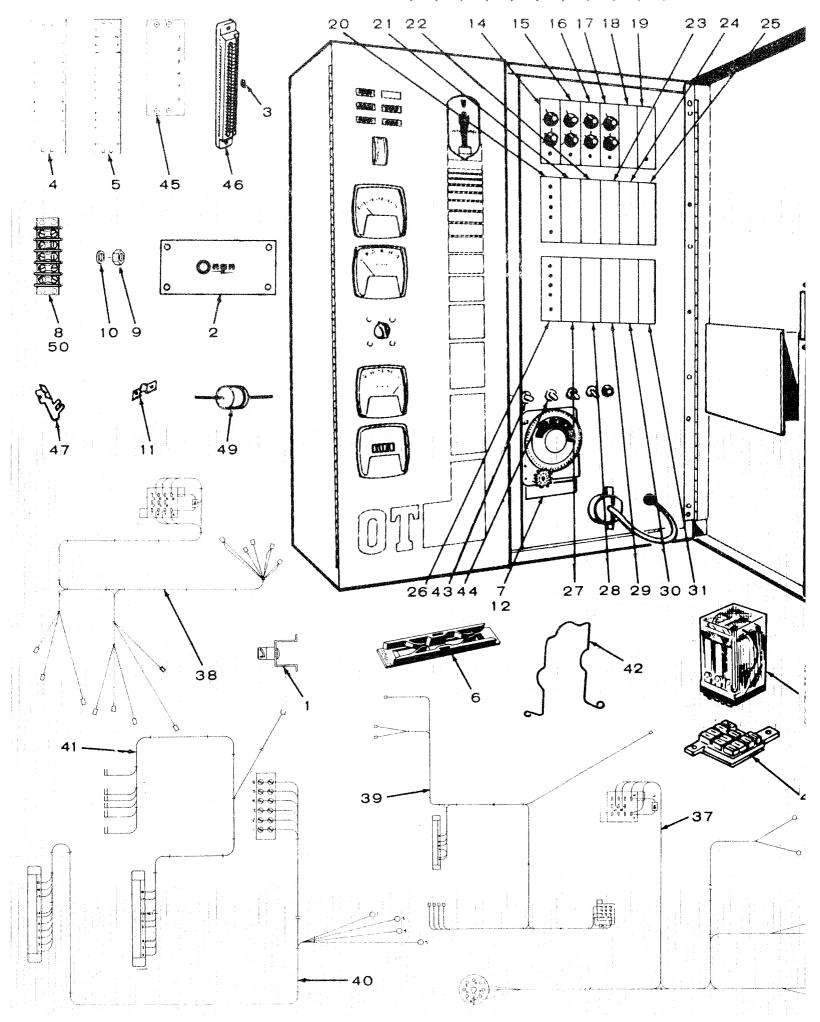
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	PANEL METE						
	301-4306 301-4307	1	With Holes for 3 Lamps - Panel Combinations 17,18 With Holes for 6 Lamps and	10	815-0387	4	*Screw, Machine - Pan Head (#6-32 x 1/4") - Panel Combinations 2,4,6,8,10,12,
	001 7001	,	Ammeter - Panel Combinations 1,2,3,4	12	332-1651	1	14,16,18 *Cover, Protection - Panel
	301-4308	1	With Holes for 6 Lamps, DC Ammeter and AC Voltmeter -		7,00		Combinations 2,4,6,8,10,12, 14,16,18
	301-4309	4	Panel Combinations 5,6,7,8 13,14,15,16	13	508-0074	2	*Washer, Insulating - Panel Combinations 2,4,6,8,10,12,
	301-4309	1	With Holes for 6 Lamps, DC Ammeter, AC Voltmeter and Selector Switch - Panel	14	332-0537	1	14,16,18 Block, Terminal (4 Place) - Part of Wiring Harness -
	301-4310	1	Combinations 5,6,7,8,13,14,15,16 With Holes for 6 Lamps, DC	15	332-1517	1	Panel Combinations 9,10,11,12 Strip, Marker - Panel
			Ammeter, AC Ammeter, Voltmeter, Frequency Meter, Running Time Meter and Voltage Switch -	16	315-0377	1	Combinations 9,10,11,12 Transformer, Step Down - Panel Combinations 9,10,
	301-4311	1	Panel Combinations 9,10,11,12 With Holes for 6 Lamps, DC Ammeter, AC Ammeter, Voltmeter,	17	LENS AND E	BEZEL	11,12 - Voltage Codes 4X, 9X,54X,59X
			Frequency Meter and Running		322-0141	1	Panel Combinations 4,8,12,16
			Time Meter - Panel Combina-		322-0141	2	Panel Combination 17
2	HARNESS, W				322-0141	3	Panel Combinations 2,3,6,7, 10,11,14,15
	338-0882	1	Panel Combinations 1,2,3,4	18	322-0141 322-0107	5 1	Panel Combinations 1,5,9,13 Lamp, Indicator - Over Crank
	338-0883	1	Panel Combinations 5,6,7,8  1 Phase Units	19	302-0807	1	Ammeter, Charge (DC) -
	338-0885	1	3 Phase Units Panel Combinations 9,10,11,12	10	002 0007		Panel Combinations 1,2,3,4, 5,6,7,8,9,10,11,12,13,14,
			(Includes Terminal Block)				15,16
	338-0884 338-0886	1	1 Phase Units 3 Phase Units - Voltage	20	322-0146	1	Lamp, Indicator - Normal - Panel Combinations 2,4,6,8, 10,12,14,16,18
	338-0887	1	Codes 4,5D,54,55D 3 Phase Units - Voltage Codes 4X,9X,54X,59X	21	322-0147	1	Lamp, Indicator - Emergency - Panel Combinations 2,4,6,8,
	338-1046	1	3 Phase Units - Voltage Codes 7,57 Panel Combinations 13,14,15,16	22			10, 12, 14, 16, 18 OW BATTERY VOLTAGE - NS 3, 4, 7, 8, 11, 12, 15, 16
	338-0883	1	1 Phase Units		322-0114	1	Units with 12 Volt Starting
	338-0883	i	3 Phase Units - Voltage Codes 4,5D,4X,9X,54,55D,		322-0126	1	Circuit (D and E) Units with 24 Volt Starting
	338-1257	1	54X,59 3 Phase Units - Voltage	23			Circuit (C) HIGH BATTERY VOLTAGE - NS 3,4,7,8,11,12,15,16
3	338-1201 338-0661	1	Codes 7,57 Panel Combinations 17,18 Harness, Wiring - Lamps		322-0115	1	Units with 12 Volt Starting Circuit (D and E)
3	330-0001	'	(Normal and Emergency) Panel Combinations 2,4,6,8,		322-0127	1	Units with 24 Volt Starting Circuit (C)
			10,12,14,16,18	24			ANEL COMBINATIONS
4	338-0659	1	Harness, Wiring - Lamps (Battery Volts) - Panel Combinations 3,4,7,8,11,12,		5,6,7,8,9,10, 302-0421 302-0422	1 1,12	Voltage Codes 3,4,5D,53,54,55D Voltage Codes 4X,7,54X,57
	0.5.0074		15,16	25	302-0423	1	Voltage Codes 9X,59X IEL COMBINATIONS 9,10,11,12
5	315-0374	1	Transformer Assembly - Step Down (Includes Parts Marked *) - Panel Combina-	23	302-0408 302-0408	2 1	Voltage Codes 3,53 Voltage Codes 4,5D,4X,7,9X,
6	301-3499	1	tions 2,4,6,8,10,12,14,16,18 *Bracket, Transformer	26		MER, CUF	54,55D,54X,57,59X RRENT - PANEL COMBINATIONS
7	315-0375	2	Mounting - Panel Combinations 2,4,6,8,10,12,14,16,18 *Transformer, Step Down -		9,10,11,12 302-0078 302-0078	2	Voltage Codes 3,53 Voltage Codes 4,5D,4X,7,9X,
,		<del></del>	Panel Combinations 2,4,6,8, 10,12,14,16,18	27			54,55D,54X,57,59X - PANEL COMBINATIONS 9,10,11,1
8	332-1468	1	*Block, Terminal - Panel Combinations 2,4,6,8,10,12,		302-0895	1	50 Hertz Voltage Codes 53,55D,57
0	222 4662	1	14,16,18 *Strip_MarkerPanel		302-0894 302-0893	1	Voltage Code 54 Voltage Codes 54X,59X
9	332-1663	1	*Strip, Marker - Panel Combinations 2,4,6,8,10,12, 14,16,18		302-0893	1	60 Hertz Voltage Codes 3,5D,7

#### METER-LAMP COMBINATION PANELS (1 THROUGH 18)

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REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	302-0810	1	Voltage Code 4		302-0467	1	Voltage Code 4X
		1	Voltage Godes 4X,9X	29	304-0536	1	Resistor (9000-Ohm, 50 Watt)
28	302-0809 METER, RUI	NNING TIN	иE	20			Panel Combinations 13, 14, 15,
			Panel Combinations 9,10,11,12				Voltage Code 9X
	302-0469	1	Voltage Codes 53,54,55D,57	30	308-0022	1	Switch, Selector - Voltage -
	302-0468	1	Voltage Codes 54X,59X				Panel Combinations 5,6,7,8,
	302-0466	1	Voltage Codes 3.4,5D,7				9,10,11,12
	302-0465	1	Voltage Codes 4X,9X	31	JUMPER - F	ANEL CO	MBINATIONS 5,6,7,8,
	302-0403	•	Panel Combinations 13,14,15,16		9,10,11,12		
	302-0468	1	Voltage Codes 53,59X		332- <b>059</b> 2	3	Voltage Codes 4,5D,4X,9X,54,
	302-0469	1	Voltage Codes 54,55D,57				55D,54X,59X
	302-0470	1	Voltage Codes 54X		332-0592	4	Voltage Codes 7,57
	302-0465	1	Voltage Codes 3,9X				
	302-0466	1	Voltage Codes 4,5D,7	* -	- Parts includ	led in 315-0	374 Transformer Assembly

### MODULAR CONTROL ACCESSORY PANEL ACCESSORY GROUPS 10,11,12,13,14,15,20,21,22,23,24,25



#### MODULAR CONTROL ACCESSORY PANEL ACCESSORY GROUPS 10,11,12,13,14,15,20,21,22,23,24,25

		Server 1			Baseman	1	Secretaries of Second		-
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REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-4727	2	Bracket and Fastener - Begin Spec B	9	860-0006	2	Nut, Hex (#6-32) - Accessory Groups 10,11,15,20,21,25
2	301-3593	1	Cover, Fack - Accessory Groups 10,11,12,13,20,21, 22,23	10	850-0020	2	Washer, Lock - Spring (#6) - Accessory Groups 10,11,15, 20,21,25
3	PLUG, KEYIN	VG	Accessory Groups 10 and 20	11	332-1043	1	Jumper, Terminal Block - Accessory Groups 10,11,15, 20,21,25
	000 4070	_	Voltage Codes 3,53	12	CLOCK BL	ANTEVED	CISER (120 Volt) - ACCESSORY
	332-1276	6	Spec A	12	GROUPS 12		
	332-2114	6	Begin Spec B		307-1104	., 13, 14,22,2 1	50 Hertz
			Voltage Codes 4,5D,4X,7,9X,		307-1104	1	60 Hertz
	000 4070		54,55D,54X,57,59X	14	300-0780	1	Module, Under Voltage Sensor
	332-1276	8	Spec A	; 4	300-0700	'	(Line) (See Separate Group
	332-2114	8	Begin Spec B				for Components)
			Accessory Groups 11,12,13,21,	15	300-0937	1	Module, Blank - Voltage
			22 and 23	13	000 0501	•	Codes 3,53
	332-1276	7	Voltage Codes 3,53 Spec A	4.5	000 0700		
	332-2114	7	Begin Spec B	15	300-0780	1	Module, Under Voltage Sensor
	332-2114	,	Voltage Codes 4,5D,4X,7,9X,				(Line) - Voltage Codes 4, 5D,7,4X,9X,54,55D,57,54X,
			54,55D,54X,57,59X				59X (See Separate Group
	332-1276	9	Spec A				for Components)
	332-2114	9	Begin Spec B	16	300-0937	1	Module, Blank - Voltage
	002 2114	J	Accessory Groups 14 and 24	10	300-0337	,	Codes 3,53
			Voltage Codes 3,53	16	300-0780	1	Module, Under Voltage Sensor
	332-1276	9	Spec A	10	000 0700	•	(Line) - Voltage Codes 4,
	332-2114	9	Begin Spec B				5D,7,4X,9X,54,55D,57,54X,
	202 27,7,	-	Voltage Codes 4,5D,4X,7,9X, 54,55D,54X,57,59X				59X (See Separate Group for Components)
	332-1276	13	Spec A	17	300-0780	1	Module, Under Voltage Sensor
	332-2114	13	Begin Spec B				(Generator) (See Separate
			Accessory Groups 15 and 25				Group for Components)
			Voltage Codes 3,53	18	MODULE, \	/OLTAGE	
	332-1276	10	Spec A				
	332-2114	10	Begin Spec B		300-0847	1	Units with 12 Volt Starting
			Voltage Codes 4,5D,4X,7,9X,				Circuit (D & E)
	000 4070	4.4	54,55D,54X,57,59X		300-0848	1	Units with 24 Volt Starting
	332-1276	14	Spec A				Circuit (C)
4	332-2114	14	Begin Spec B Strip, Marker (1 through 12)	19	300-0937	1	Module, Blank - Accessory
4 5	332-1469	1	Strip, Marker (1 through 12) Strip, Marker (H, Remote,				Groups 10,15,20,25
3	332-1699	1	B+, Grd, 1 through 11 and 53)	19			CHARGER - Accessory Groups 11,12,1:
6	GUIDE PRI	NTED CIR	CUIT BOARD - ACCESSORY		14,21,22,23	3,24 (See Se	eparate Groups for
U	GROUPS 14		CON BONNE NOCEGOON		Componen		
	323-0814	12	Spec A		300-0793	1	Units with 12 Volt Starting
	323-1084	12	Begin Spec B				Circuit (D & E)
7	301-3487	1	Plate, Cover - Exerciser		300-0794	1	Units with 24 Volt Starting
,	001 0101		clock opening in panel -				Circuit (C)
			Accessory Groups 10,11,15,				
			20,21,25				
8	332-0604	1	Block, Terminal (5 Place) -				
			Accessory Groups 10,11,15,				
			20,21,25				

### MODULAR CONTROL ACCESSORY PANEL ACCESSORY & PS 10,11,12,13,14,15,20,21,22,23,24,25

or - U / U \_ U

REF.	PART NO.	QTY. USED	PART DESCRIPT	REF.	PART NO.	QTY. USED	PART DESCRIPTION
20			TART-STOP) - Access				14.24 (See Separate Group
	10.15,20.25 ( 300-0921	See Separa 1	ate Groups for Components:  Units with 12 Volt Starting  Circuit (D & E) - Spec A	27	300-0937	1	for Components) Module, Blank - Accessory Groups 15,25
			(0-15 Sec Start; 0-10 Minute Stop)	27	300-0937	1	Module, Blank - Accessory Group 14 - Voltage Codes
	300-1059	1	Units with 12 Volt Starting Circuit (D & E) - Spec A (0-10 Minute Start; 0-10 Minute Stop) - Optional	27	300-0780	1	3,53 Module, Over Voltage Sensor (Line) Accessory Group 14 - Voltage Codes 4,5D,7,4X,9X,
	300-0922	1	Units with 24 Volt Starting Circuit (C) - Spec A (0-15 Sec Start; 0-10 Minute		202 2027		54,55D,57,54X,59X and Accessory Group 24 (See Separate Group for Componer
	300-1060	1	Stop) Units with 24 Volt Starting	28	300-0937	. 1	Module, Blank - Accessory Groups 15,25
		,	Circuit (C) - Spec A (0-10 Minute Start; 0-10 Minute Stop) - Optional	28	300-0937	1	Module, Blank - Accessory Group 14 - Voltage Codes 3,53
	300-0921	1	Begin Spec B	28	300-0780	1	Module, Over Voltage Sensor
21	MODULE, BY for Compone 300-0927		ransfer) (See Separate Groups  Accessory Groups 10,11,12,				(Line) Accessory Group 14 - Voltage Codes 4,5D,7,4X, 9X,54,55D 57,54X, and
			13,15,20,21,22,23,25 - Spec A				Accessory Group 24 (See Separate Group for Componer
0.4	300-1675	1	Accessory Groups 10,11,15, 20,21,25 - Begin Spec B	29	300-0937	1	Module, Blank - Accessory Groups 14,15,24,25
21	300-1188	1	Module, Time Delay - Transfer- Retransfer - Accessory Groups 12,13,14,22,23,24 - Begin	30	300-0937	1	Module, Blank - Accessory Groups 14,15,24,25
			Spec B (See Separate Groups for Components)	31	300-0937	1	Module, Blank - Accessory Groups 14,15,24,25
21	300-0924	1	Module, Time Delay - Transfer - Accessory Groups 14,24 -	32	307-1058	1	Relay, Interposing - Line (12 Volt) - Accessory Groups 10,11,12,13,14,15
22	300-0937	1	Spec A (See Separate Group for Components) Module, Blank - Units with	33	307-1058	1	Relay, Interposing - Genera- tor (12 Volt) - Accessory
22	300-0926	1	2 Wire Starting Circuit (C & D) Module, 2 to 3 Wire Converter-	34	307-1058	1	Groups 10,11,12,13,14,15 Relay, Timer (12 Volt) - Accessory Groups 12,13,14,
22	300-0920	1	Units with 3 Wire Starting Circuit (E) (See Separate Group for Components)	34	307-1058	1	15,22,23,24,25 - Spec A Relay, Retransfer (12 Volt) Accessory Groups 13,15,23,
23	300-0937	1	Module, Blank - Accessory Groups 10,11,12,13,15,20,	35	307-1058	1	25 - Begin Spec B Relay, Over Voltage - Line
23	MODULE BA	ATTERY VO	21,22,23,25 DLTAGE SENSOR - ACCESSORY				(12 Volt) - Accessory Groups 14,15,24,25
	GROUPS 14,	24 (See Se	parate Groups for	36	307-1058	1	Relay, Start - Begin Spec B
	Components 300-0796	1	Units with 12 Volt Starting Circuit (D & E)	37	338-0677	1	Harness, Wiring - Timer Motor - Accessory Groups 12,13,14,15,22,23,24,25
	300-0797	1	Units with 24 Volt Starting Circuit (C)				Spec A (Includes Parts Marked *)
24A	307-1199	1	Relay and Bracket, Retrans- fer (120 Volt) - Accessory Groups 12,13,14,22,23,24	38	HARNESS, V GROUPS 13 338-0664		Spec A
24	200 0027	1	Spec A (See Separate Group for Components)	39	338-1136 HARNESS \	1 WIRING - C	Begin Spec B (Includes Parts Marked Δ) DVER VOLTAGE - ACCESSORY
24	300-0937	1	Module, Blank - Accessory Groups 10,11,15,20,21,25 and Groups 12,13,14,22,23,				ncludes Parts Marked †) Voltage Codes 3,53 - Spec A Voltage Codes 4,5D,4X,7,9X,
25	300-0937	1	24 Begin Spec B Module, Blank - Accessory Groups 10,11,15,20,21,25		338-1137	1	54,55D,54X,57,59X - Spec A Voltage Codes 3,53 - Begin
			and Groups 12,13,14,22,23. 24 Begin Spec B		338-1134	1	Spec B Voltage Codes 4,5D,4X,7,9X,
26	300-0937	1	Module, Blank - Accessory Groups 15,25		. , , , , , , , , , , , , , , , , , , ,	na je mjenisen seni nima v i i i	54,55D,54X,57,59X - Begin Spec B
26	300-0780	1	Module, Over Voltage Sensor	40	HARNESS, E	BALLERY	VOLTAGE - ACCESSORY GROUP

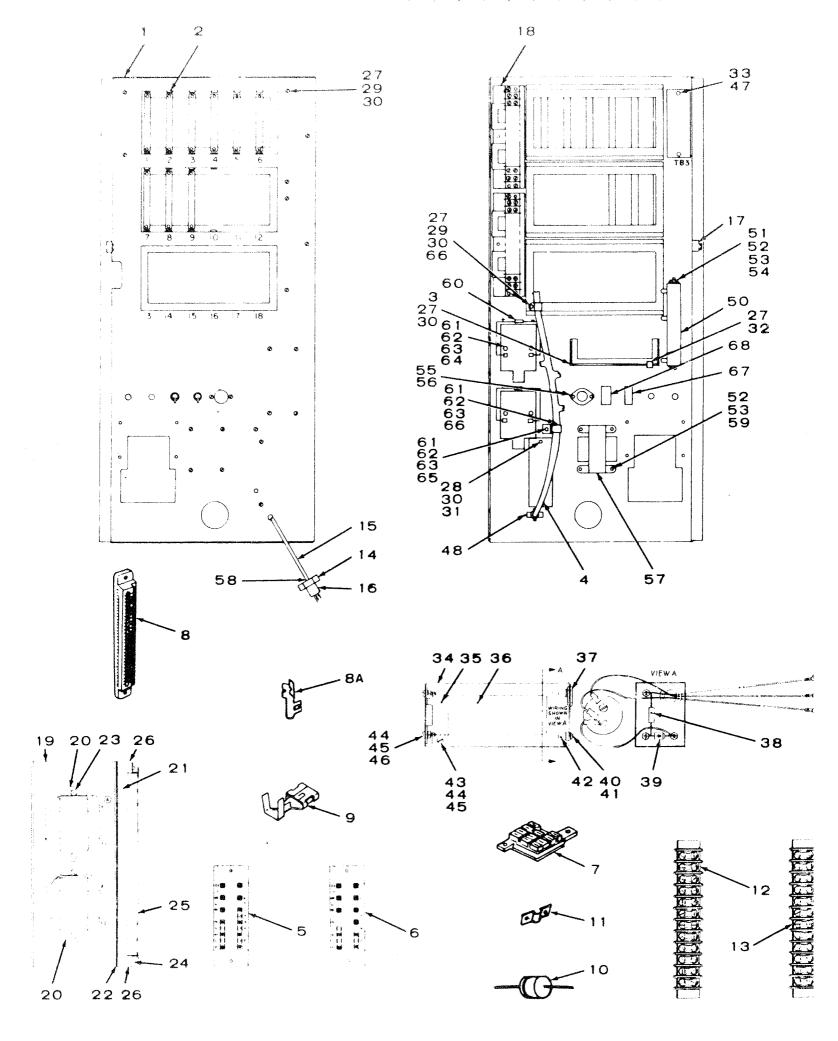
# MODULAR CONTROL ACCESSORY PANEL ACCESSORY GROUPS 10,17,12,13,14,15,20,21,22,23,24,25

			OT	-   /			
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	
	338-0658 338-1135	1	Spec A Begin Spec B				Voltage Codes 4,5D,4X,7,9X, 54,55D,54X,57,59X
41	HARNESS, T	O PREHE	AT - ACCESSORY GROUPS		332-2108	10	£Accessory Groups 14,15,24,25
	15,25 (Includ 338-0770				332-2108	6	†Accessory Groups 14,15,24,25 Voltage Codes 3,53
	338-1138	1	Begin Spec B		332-2108	13	□ Accessory Groups 15,25
42	SPRING, RE	LAYHOLE		48	323-0765	1	*ƠSocket Relay - Accessory
	307-1157	1	Accessory Groups 12,13,14,23,24				Groups 14,15,24,25
	307-1157	2	Accessory Groups 15,25	49	357-0004	1	*ƠDiode, Rectifier - Accessory
43	308-0321	1	Switch, Manual & Automatic -				Groups 14,15,24,25
			Accessory Groups 13,15,23,25	50	332-0699	1	£Block, Terminal - Accessory
44	308-0175	1	Switch, Retransfer - Accessory Groups 13,15,23,25				Groups 14,15,24,25
45	332-1516	1	Strip, Marker (1 thru 6) - Accessory Groups 14,15,24,25				
46	HOUSING.	rerminal	BOARD-PC				-0677 Harness Assembly.
, ,	332-2107	3	†Accessory Groups 14,15,24,25 -	Δ	- Parts Includ	led in 338	-1136 Harness Assembly.
			Voltage Codes 4,5D,4X,7,9X, 54,55D,54X,57,59X		and 338-113	37 Harnes	-0657, 338-0668, 338-1134 s Assemblies.
	332-2107	1 1	£Accessory Groups 14,15,24,25	£	<ul> <li>Parts Includ</li> </ul>	led in 338	-0658 and 338-1135
	332-2107	1	□ Accessory Groups 15,25		Harness As		
47	TERMINALI	PC BOAR					-0770 and 338-1138

Harness Assembly.

332-2108 18 †Accessory Groups 14,15,24,25 -

#### SWINGING PANEL ASSEMBLY - SPEC A ACCESSORY GROUPS 10,11,12,13,14,15,20,21,22,23,24,25



### SWINGING PANEL ASSEMBLY - SPEC A ACCESSORY GROUPS 10,11,12,13,14,15,20,21,22,23,24,25

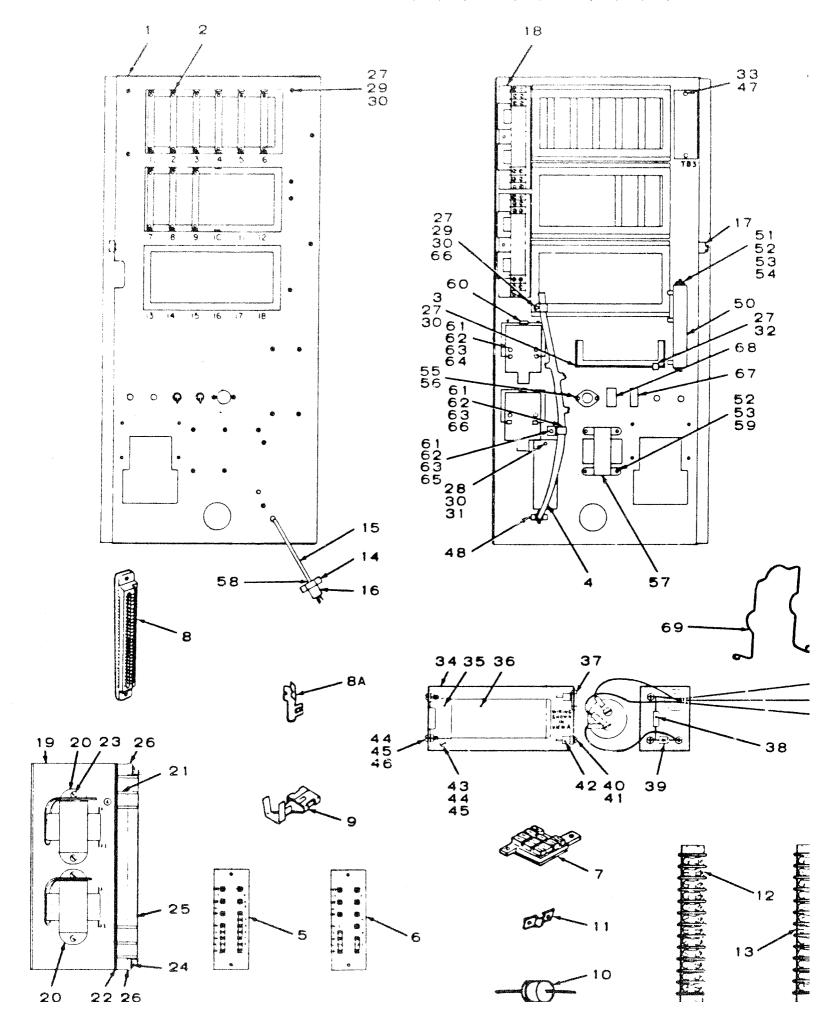
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF.	PART NO.	QTY. USED	PART DESCRIPTION
	PANELAS	SEMBLY, S	SWINGING - COMPLETE	9	332-1280	12 *	'∆†£□#Ø■Terminal, Relay Socket
	200 1200		Accessory Group 10	10	357-0023	2 *	∆†£□#Rectifier, Diode (Not used
	300-1396 300-1395	1	Voltage Codes 3,53 Voltage Codes 4,5D,4X,9X,				on Accessory Groups 20, 21,22,23,24,25)
	300 1333	ı	54,55D,54X,59X	11	332-1043	3 .	Z1,Z2,Z3,Z4,Z3) '∆†£¤#Ø∎Jumper, Terminal
	300-1521	1	Voltage Codes 7,57	12	332-1468		'∆†£□#Ø■Block, Terminal (12 Place
			Accessory Groups 11,12,13,14,15	13	332-0795	1 *	Δ£†□#Ø■Block, Terminal (16 Place
	300-1133	1	Voltage Codes 3,53	14	301-3765	2	Plate, Panel Interlock
	300-1134	1	Voltage Codes 4,5D,4X,9X,	15	503-0679	1	Hose, Insulating
	300-1406	1	54,55D,54X,59X	16 17	323-0901 405-1872	1 1	Plug, Line Disconnect Clip, Door
	300-1400	1	Voltage Codes 7,57 Accessory Group 20	18	TRANSFOR		EMBLY, STEP DOWN (Includes
	300-1431	1	Accessory Groups 21,22,23,24,25		Parts Marked		
1	301-3777	1	Panel Swinging		315-0374	1	Units with Voltage Codes
2	323-0814	20	Guide, PC Board				3,53 (1-Phase)
3	307-1157	2	Spring, Relay Holddown (All		315-0374	2	Units with Voltage Codes
			Except Accessory Groups 20,21,22,23,24,25)				4,5D,4X,7,9X,54,55D,54X, 57,59X (3-Phase)
4	HARNESS	WIRING -	MAIN - NOT ILLUSTRATED	19 '	BRACKET T	RANSFOR	37,39A (3-Fridase) RMER MOUNTING
•	111111111111	, , , , , , , , , , , , , , , , , , ,	Accessory Group 10	,,	301-3499	1	Units with Voltage Codes
	338-1022	1	Voltage Codes 3,53 (Includes				3,53 (1-Phase)
			Parts Marked *)		301-3499	2	Units with Voltage Codes
	338-1021	1	Voltage Codes 4,5D,4X,9X,				4,5D,4X,7,9X,54,55D,54X,
			54,55D,54X,59X (Includes	20.7		ם פדרטו	57,59X (3-Phase)
	338-1085	1	Parts Marked Δ) Voltage Codes 7,57 (Includes	20 1	TRANSFORME 315-0375	2 2	Units with Voltage Codes
	330-1003	1	Parts Marked †)		313-0373	۲.	3,53 (1-Phase)
			Accessory Groups 11,12,13,14,15		315-0375	4	Units with Voltage Codes
	338-0776	1	Voltage Codes 3,53 (Includes				4,5D,4X,7,9X,54,55D,54X,
			Parts Marked £)				57,59X (3-Phase)
	338-0777	1	Voltage Codes 4,5D,4X,9X,54,	21 *	*TERMINAL,I		
			55D,54X,59X (Includes		332-1468	1	Units with Voltage Codes
	338-1034	4	Parts Marked □) Voltage Codes 7,57 (Includes		332-1468	2	3,53 (1-Phase) Units with Voltage Codes
	330-1034	1	Parts Marked #)		332-1400	۲.	4,5D,4X,7,9X,54,55D,54X,
	338-1045	1	Accessory Group 20 (Includes				57,59X (3-Phase)
			Parts Marked Ø)	22 *	'STRIP, MARI	KER	
	338-1043	1	Accessory Groups 21,22,23,		332-1663	1	Units with Voltage Codes
			24,25 (Includes Parts		222 1002	0	3,53 (1-Phase)
~	000 4400	4	Marked ■)		332-1663	2	Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X,
5 6	332-1486 332-1487	1	*Δ†£□#Ø■Block, Terminal *Δ†£□#Ø■Block, Terminal				57,59X (3-Phase)
7	323-0765	2	*Δ†£□#Ø■Socket, Relay	23 .	*SCREW, MAG	CHINE-P	AN HEAD - CROSS RECESSED
8			CIRCUIT BOARD		(#6-32 x 1/4"		
			Accessory Group 10		815-0387	4	Units with Voltage Codes
	332-1271	6	*Voltage Codes 3,53				3,53 (1-Phase)
	332-1271	9	ΔVoltage Codes 4,5D,4X,9X,		815-0387	8	Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X,
	332-1271	8	54,55D,54X,59X †Voltage Codes 7,57				57,59X (3-Phase)
	332-1271	O	Accessory Groups 11,12,13,14,15	24 '	SCREW MA	CHINE - R	OUND HEAD (#6-32 x 3/4")
	332-1271	7	£Voltage Codes 3,53	-	812-0066	2	Units with Voltage Codes
	332-1271	9	#□Voltage Codes 4,5D,4X,9X,				3,53 (1-Phase)
			54,55D,54X,59X,7,57		812-0066	4	Units with Voltage Codes
	332-1271	8	ØAccessory Group 20				4,5D,4X,7,54,55D,54X,57,
	332-1271	9	Accessory Groups 21,22,23,	25.	*COVER, PRO	TECTIVE	59X (3-Phase)
8A	TERMINIA	I PRINTER	24,25 CIRCUIT BOARD	2.5	332-1651	1	Units with Voltage Codes
0.4	1 CHIVIII 47	L, / ! ! ! ! ! L L	Accessory Group 10		002 1001	•	3,53 (1-Phase)
	332-1269	37	*Voltage Codes 3,53		332-1651	2	Units with Voltage Codes
	332-1269	47	ΔVoltage Codes 4,5D,4X,9X,				4,5D,4X,7,54,55D,54X,57,
			54,55D,54X,59X	00.	NACACI (ED. IN	101 H A T C I	59X (3-Phase)
	332-1269	47	†Voltage Codes 7,57	26	*WASHER, IN	SULATUI 2	ਰ □ Units with Voltage Codes
			Accessory Groups 11,12,13,		508-0074		3,53 (1-Phase)
	222 1260	41	14,15 £Voltage Codes 3,53		508-0074	4	Units with Voltage Codes
	332-1269 332-1269	51	#DVoltage Codes 4,5D,4X,9X,		and the state of t		4,5D,4X,7,54,55D,54X.57,
	JUL 1400	<b>O</b> 1	54,55D,54X,59X,7,57				59X (3-Phase)
	332-1269	48	ØAccessory Group 20	27	SCREW, MA	CHINE - F	ROUND HEAD (#6-32 x 3/8")
	332-1269	51	■Accessory Groups 21,22,23,		010 0004	n	Accessory Group 10 Units with Voltage Codes 3,50
			24,25		812-0061	8	Offits with voltage Codes 3,5(

### SWINGING PANEL ASSEMBLY - SPEC A ACCESSORY GROUPS 10,11,12,13,14,15,20,21,22,23,24,25

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REF.		QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	812-0061	13	Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X, 57,59X Accessory Groups 11,12,13,14,15	<b>4</b> 8 <b>5</b> 0	332-1969 353-0046	1	Clamp, Cable Resistor (6-Ohm, 75 Watt) - Tapped - Accessory Group 11,12,13,14,15,21,22,23,
	812-0061 812-0061	12 13	Units with Voltage Codes 3,53 Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X, 57,59X	51	813-0116	1	24,25 Screw, Machine - Round Hea (#10-32 x 6-1/2") - Access Groups 11,12,13,14,15,21,
	812-0061 812-0061	9 11	Accessory Group 20 Accessory Groups 21,22,23, 24,25	52	870-0053	5	22,23,24,25 Nut, Hex (#10-32) - Accessory Groups 11,12,10
28	812-0066	2	Screw, Machine - Round Head	53	<b>8</b> 53-0008	5	14,15,21,22,23,24,25 Washer, Lock - External
29	NUT, HEX-M	ACHINE	(#6-32 x 3/4") (#6-32) Accessory Group 10	33	653-0006	5	Lock (#10) - Accessory Groups 11,12,13,14,15,21,
	860-0006	10	Units with Voltage Codes	<b>5.4</b>	201 0000		22,23,24,25
	860-0006	15	3,53 Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X,	54	304-0006	2	Washer, Centering - Accesso Groups 11,12,13,14,15,21, 22,23,24,25
	860-0006	12	57,59X Accessory Groups 11,12,13,14,15 Units with Voltage Codes	55	321-0178	1	Holder, Fuse - Accessory Groups 11,12,13,14,15,21, 22,23,24,25
	860-0006	15	3,53 Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X,	56	FUSE 321-0180	1	Accessory Groups 11,12,13
	860-0006	11	57,59X / Accessory Group 20		321-0110	1	Accessory Groups 21,22,23, 24,25 (1 Ampere)
	860-0006	13 /	Accessory Groups 21,22,23, 24,25	57	315-0379	1	Transformer, Battery Charge Accessory Groups 11,12,13
30	WASHER, LO 853-0003		ERNAL TOOTH (#6)  Accessory Group 10  Units with Voltage Codes	58	503-0721	1	14,15,21,22,23,24,25 Bushing, Rubber - Accesson
	853-0003	10 15	3,53 Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X,	59	813-0099	4	Groups 11,12,13,14,15 Screw, Machine - Round Hea (#10-32 x 7/16") - Accesso Groups 11,12,13,14,15,21,
	853-0003	12	57,59X Accessory Groups 11,12,13,14,15 Units with Voltage Codes	<b>6</b> 0	357-0029	2	22,23,24,25 Diode - Accessory Groups 20,21,22,23,24,25
	<b>853-0003</b>	15	3,53 Units with Voltage Codes	61	812-0082	5,	Screw, Machine - Round Hea (#8-32 x 3/4") - Accessory
	833-0003	13	4,5D,4X,7,9X,54,55D,54X, 57,59X	62	860-0008	5	Groups 20,21,22,23,24,25 Nut, Hex (#8-32) - Accessory
	853-0003 853-0003	11 13	Accessory Group 20 Accessory Groups 21,22,23,24,25	63	853-1005	5	Groups 20,21,22,23,24,25 Washer, Lock - External
31	332-1485	2	Spacer, Terminal Board	00	000 1000		Lock (#8) - Accessory
32 33	332-0050 300-1440	1	Clip, Wire Control, Start Suppressions	64	307-1537	2	Groups 20,21,22,23,24,25 Relay, Power - Accessory
34	301-4316		(Includes Parts Marked ***) **Bracket, Starter Suppression	65	301-4235	1	Groups 20,21,22,23,24,25 Bracket, Harness - Accessor
35 36	356-0070 356-0069		**Clamp, Capacitor Mounting **Capacitor, Electrolytic	66	332-0052	2	Groups 20,21,22,23,24,25 Clip, Wire - Accessory
37	<b>5</b> 08-0005	1 *	**Grommet, Rubber			_	Groups 20,21,22,23,24,25
38	352-0159		**Resistor (.33-Ohm, 3 Watt)	67	308-0321	1	Switch, Test Transfer
39 40	357-0028 <b>8</b> 12-0026		**Diode **Screw, Machine - Round Head (#4-40 x 3/16")	68	308-0322	1	Switch, Selector
41	850-0011	3 *	**Washer, Lock - Spring (#4)				022 Harness Assembly
42	332-1998	3 *	"Terminal, Stud - Tapped				021 Harness Assembly.
43	812-0063	1 '	"*Screw, Machine - Round Head (#6-32 x 1/2")				085 Harness Assembly. 776 Harness Assembly.
44	853-0003	3 *	""Washer, Lock - External Tooth (#6)	D -	Parts Includ	led in 338-0	777 Harness Assembly. 034 Harness Assembly.
45	860-0006	3 .	"*Nut, Hex - Machine (#6-32)				045 Harness Assembly.
46	812-0061		***Screw, Machine - Round Head (#6-32 x 3/8")	<b>#</b> -	Parts Includ	led in 338-1	043 Harness Assembly. 374 Transformer Assembly.
47	<b>8</b> 08-0008	4	Screw, Tapping - Round Head				440 Start Suppression Control.

#### SWINGING PANEL ASSEMBLY - BEGIN SPEC B ACCESSORY GROUPS 10,11,12,13,14,15,20,21,22,23,24,25



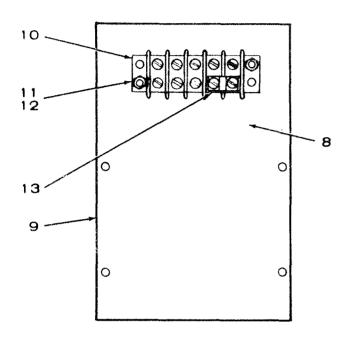
### SWINGING PANEL ASSEMBLY - BEGIN SPEC B ACCESSORY GROUPS 10,11,12,13,14,15,20,21,22,23,24,25

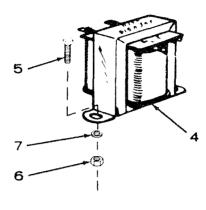
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	PANEL ASS	EMBLY, S	WINGING - COMPLETE		332-1269	46	Accessory Groups 21,22,23,24,2
			Accessory Group 10	9	332-1280		*Δ†£□#Ø■Terminal, Relay Socket
	300-1632	1	Voltage Codes 3,53	10	357-0023	3	*∆†£□#Rectifier, Diode (Not Used
	300-1631	1	Voltage Codes 4,5D.4X,9X,				on Accessory Groups 20,21,
	300-1689	1	54,55D,54X,59X	11	332-1043	3	22,23,24,25) *∆†£□#Ø■Jumper, Terminal
	300-1003	,	Voltage Codes 7,57 Accessory Groups 11,12,13,14,15	12	332-1043	1	*Δ†£□#Ø■Block, Terminal (12 Plac
	300-1630	1	Voltage Codes 3,53	13	332-0795	1	*Δ£†□#Ø■Block, Terminal (16 Place
	300-1629	1	Voltage Codes 4,5D,4X,9X,	14	301-3765	2	Plate, Panel Interlock
			54,55D,54X,59X	15	503-0679	1	Hose, Insulating
	300-1649	1	Voltage Codes 7,57	16	323-0901	1	Plug, Line Disconnect
	300-1634	1	Accessory Group 20	17	405-1872	1	Clip, Door
	300-1633	1	Accessory Groups 21,22,23,24,25	18			EMBLY, STEP DOWN (Includes
1	301-4673	1	Panel Swinging		Parts Mark		Unite with Voltage Codes
2 3	323-1084 307-1157	24	Guide, PC Board		315-0374	1	Units with Voltage Codes 3,53 (1-Phase)
J	307-1137	3	Spring. Relay Holddown (All Except Accessory Groups		315-0374	2	Units with Voltage Codes
			20,21,22,23,24,25)		010 0074	-	4,5D,4X,7,9X,54,55D,54X,
4	HARNESS I	WIR!NG -	MAIN - NOT ILLUSTRATED				57,59X (3-Phase)
	17.000,	171111110	Accessory Group 10	19 '	'BRACKET,	TRANSFO	RMER MOUNTING
	338-1157	1	Voltage Codes 3,53		301-3499	1	Units with Voltage Codes
			(Includes Parts Marked *)				3,53 (1-Phase)
	338-1156	1	Voltage Codes 4,5D,4X,9X,		301-3499	2	Units with Voltage Codes
			54,55D,54X,59X (Includes				4,5D,4X,7,9X,54,55D,54X,
	200		Parts Marked Δ)	20.4	· TD 4 NOTO	NACO OTO	57,59X (3-Phase)
	338-1195	1	Voltage Codes 7,57	20	TRANSFOR 315-0375	2 AMER, STE	Units with Voltage Codes
			(Includes Parts Marked †)		313-0373	2	3,53 (1-Phase)
	338-1155	1	Accessory Groups 11,12,13,14,15 Voltage Codes 3,53		315-0375	4	Units with Voltage Codes
	330-1133	+	(Includes Parts Marked £)		010 0010	,	4,5D,4X,7,9X,54,55D,54X,
	338-1139	1	Voltage Codes 4,5D,4X,9X,				57,59X (3-Phase)
		,	54,55D,54X,59X (Includes	21 '	*BLOCK, TE	RMINAL	,
			Parts Marked □)		332-1468	1	Units with Voltage Codes
	338-1185	1	Voltage Codes 7,57				3,53 (1-Phase)
			(Includes Parts Marked #)		332-1468	2	Units with Voltage Codes
	338-1159	1	Accessory Group 20 (Includes				4,5D,4X,7,9X,54,55D,54X,
	222 1150	4	Parts Marked Ø)	22 *	*STRIP, MAI	OKED	57,59X (3-Phase)
	338-1158	1	Accessory Groups 21,22,23, 24,25 (Includes Parts	22	332-1663	1	Units with Voltage Codes
			Marked  Marked		332 1000	•	3,53 (1-Phase)
5	332-1486	1	*∆†£□#Ø■Block, Terminal		332-1663	2	Units with Voltage Codes
6	332-1487	1	*∆†£□#Ø■Block, Terminal				4,5D,4X,7,9X,54,55D,54X,
7	323-0765	3	*∆†£□#Socket, Relay - Accessory				57,59X (3-Phase)
			Groups 10,11,12,13,14,15	23 .			PAN HEAD - CROSS
7	323-0765	1	Ø■Socket, Relay - Accessory		RECESSE		
			Groups 20,21,22,23,24,25		815-0387	4	Units with Voltage Codes
8	HOUSING, F	PRINTED	CIRCUIT BOARD		815-0387	8	3,53 (1-Phase) Units with Voltage Codes
	222 0407	0	Accessory Group 10		013-0307	O	4,5D,4X,7,9X,54,55D,54X,
	332-2107	6	*Voltage Codes 3,53				57,59X (3-Phase)
	332-2107	8	ΔVoltage Codes 4,5D,4X,9X, 54,55D,54X,59X	24 .	*SCREW.M	ACHINE - F	ROUND HEAD (#6-32 x 3/4")
	332-2107	8	†Voltage Codes 7,57		812-0066	2	Units with Voltage Codes
	002 2107	O	Accessory Groups 11,12,13,14,15				3.53 (1-Phase)
	332-2107	7	£Voltage Codes 3,53		812-0066	4	Units with Voltage Codes
	332-2107	9	#□Voltage Codes 4,5D,4X,7,				4,5D,4X,7,54,55D,54X,57
			9X,54,55D,54X,59X,57				59X (3-Phase)
	332-2107	8	ØAccessory Group 20	25	COVER, PF		
	332-2107	9	■Accessory Groups 21,22,23,24,25		332-1651	1	Units with Voltage Codes
8A	TERMINAL,	PRINTED	CIRCUIT BOARD		332-1651	2	3,53 (1-Phase) Units with Voltage Codes
	220 4200	20	Accessory Group 10		332-1031	2	4,5D,4X,7,54,55D,54X,57,
	332-1269	36 46	*Voltage Codes 3,53				59X (3-Phase)
	332-1269	46	ΔVoltage Codes 4,5D,4X,9X, 54,55D,54X,59X	26 *	'WASHER, I	NSULATO	
	332-1269	46	†Voltage Codes 7,57	•••	508-0074	2	Units with Voltage Codes
	302 1200	40	Accessory Groups 11,12,13,14,15				3,53 (1-Phase)
	332-1269	40	£Voltage Codes 3,53		508-0074	4	Units with Voltage Codes
	332-1269	50	#  Voltage Codes 4,5D,4X,9X,				4,5D,4X,7,54,55D,54X,57,
			ex een ew env 7 e7				FOY /?_Phase)

### SWINGING PANEL ASSEMBLY - BEGIN SPEC B ACCESSORY GROUPS 10,11,12,13,14,15,20,21,22,23,24,25

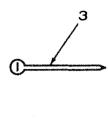
			OT	and the second	/ L.	Charles Manage	
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF.	PART NO.	QTY. USED	PART DESCRIPTION
	812-0061	22	Accessory Group 10 Units with Voltage Codes 3,53	48 50	332-1969 353-0046	1 1	Clamp, Cable Resistor (6-Ohm, 75 Watt) -
	812-0061	29	Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X, 57,59X				Tapped - Accessory Groups 11,12,13,14,15,21,22,23, 24,25
	812-0061	26	Accessory Groups 11.12,13,14,15 Units with Voltage Codes 3,53	51	813-0116	1	Screw. Machine - Round Head (#10-32 x 6-1/2") - Accesso Groups 11,12,13,14,15,
	812-0061	33	Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X, 57,59X	52	870-0053	5	21,22,23,24,25 Nut, Hex (#10-32) - Accessory Groups 11,12,13,14,15,
	812-0061	29	Accessory Group 20				21,22,23,24,25
	812-0061	31	Accessory Groups 21,22,23,24,25	53	853-0008	5	Washer, Lock - External Lock
28	812-0066	2	Screw, Machine - Round Head (#6-32 x 3/4")				(#10) - Accessory Groups 11,12,13,14,15,21,22,23, 24,25
29	NUT, HEX - N	MACHINE	: (#6-32) Accessory Group 10	54	304-0006	2	Washer, Centering - Accessor
	860-0006	24	Units with Voltage Codes 3,53				Groups 11,12,13,14,15, 21,22,23,24,25
	860-0006	31	Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X, 57,59X	55	321-0178	1	Holder, Fuse - Accessory Groups 11,12,13,14,15, 21,22,23,24,25
	860-0006	28	Accessory Groups 11,12,13,14,15 Units with Voltage Codes 3,53	56	FUSE 321-0180	1	Accessory Groups 11,12,13, 14,15 (2 Ampere)
	860-0006	35	Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X,		321-0110	1	Accessory Groups 21,22,23, 24,25 (1 Ampere)
	860-0006	31	57,59X Accessory Group 20	57	315-0379	1	Transformer, Battery Charger Accessory Groups 11,12,13,
0.0	860-0006	33	Accessory Groups 21,22,23,24,25	58	503-0721	1	14,15,21,22,23,24,25 Bushing, Rubber - Accessory
30	WASHER, LO	JCK - EX I	FERNAL TOOTH (#6) Accessory Group 10	50	303-0721		Groups 11,12,13,14,15
	853-0003	24	Units with Voltage Codes 3,53	59	813-0099	4	Screw, Machine - Round Head (#10-32 x 7/16") - Accessor
	853-0003	31	Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X, 57,59X	60	357-0029	2	Groups 11,12,13,14,15, 21,22,23,24,25 Diode - Accessory Groups
	853-0003	28	Accessory Groups 11,12,13,14,15 Units with Voltage Codes	61	812-0082	5	20,21,22,23,24,25 Screw, Machine - Round Heac
	853-0003	35	3,53 Units with Voltage Codes 4,5D,4X,7,9X,54,55D,54X,	62	860-0008	5	(#8-32 x 3/4") - Accessory Groups 20,21,22,23,24,25 Nut, Hex (#8-32) - Accessory
			57,59X		000 0000	•	Groups 20,21,22,23,24,25
	853-0003	31	Accessory Group 20	63	853-1005	5	Washer, Lock - External
	853-0003	33	Accessory Groups 21,22,23,24,25				Lock (#8) - Accessory Grou
31	332-1485	2	Spacer, Terminal Board	64	307-1537	2	20,21,22,23,24,25 Relay, Power - Accessory
32 33	332-0050 300-1627	1 1	Clip, Wire Control, Start Suppression (Includes Parts Marked ***)	65	301-4235	1	Groups 20,21,22,23,24,25 Bracket, Harness - Accessory
34	301-4316	4	***Bracket, Starter Suppression				Groups 20,21,22,23,24,25
35	356-0070		***Clamp, Capacitor Mounting	66	332-0052	2	Clip, Wire - Accessory
36	356-0069	1	***Capacitor, Electrolytic				Groups 20.21,22,23,24,25
37	508-0005		***Grommet, Rubber	67	308-0321	1	Switch, Test Transfer
38	352-0159		***Resistor (.33-Ohm, 3 Watt)		308-0322	1	Switch, Selector
39	357-0028		*`*Diode	69	307-1157	1	Spring, Relay Hold-down
40 41	812-0026 850-0011		***Screw, Machine - Round Head (#4-40 x 3/16") ***Washer, Lock - Spring (#4)				157 Harness Assembly. 156 Harness Assembly.
42	332-1998		***Terminal, Stud - Tapped				195 Harness Assembly.
43	812-0063		"Screw, Machine - Round Head (#6-32 x 1/2")	£ -	Parts Include	ed in 338-11	155 Harness Assembly 139 Harness Assembly
44	853-0003		""Washer, Lock - External Tooth (#6)	# - Ø -	Parts Include Parts Include	ed in 338-11 ed in 338-11	85 Harness Assembly. 59 Harness Assembly.
45	860-0006		***Nut, Hex - Machine (#6-32)				158 Harness Assembly.
46	812-0061	2	***Screw. Machine - Round Head (#6-32 x 3/8")				374 Transformer Assembly. 327 Start Suppression
47	808-0008	4	Screw, Tapping - Round Head	**	Control.	eu 111 300^ It	z r start suppression

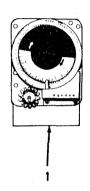
#### **EXERCISER CLOCK KIT - OPTIONAL WIRE IN** ACCESSORY GROUPS 10,11,15,20,21,25 (60 HERTZ)







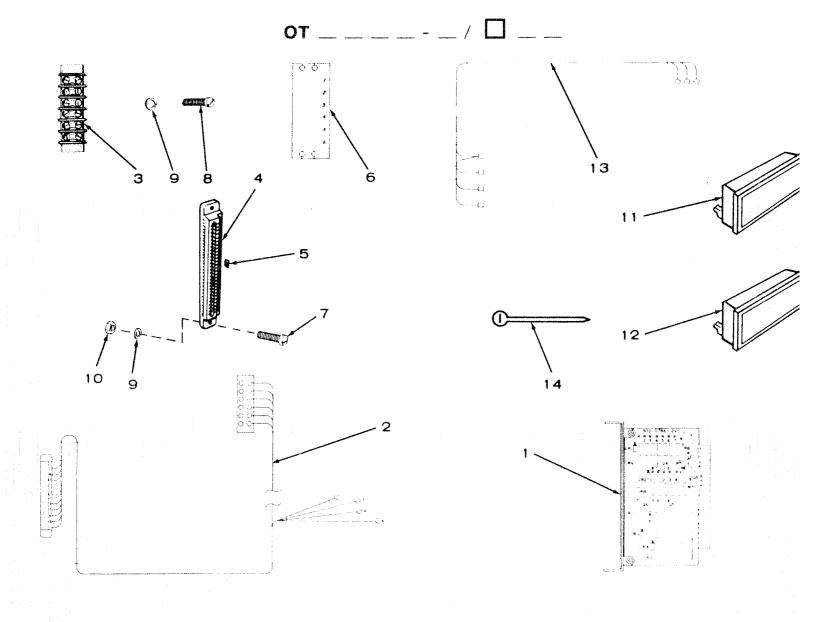




PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
KIT, EXERCI 307-1652	SER CLO	CK (COMPLETE) - 60 Hertz Accessory Groups 10,20,	3	332-0942	12	Tie, Cable - Accessory Groups 10,20
		Voltage Codes 3,4,5D,7	4	315-0379	1	Transformer, Battery Charger -
307-1648	1	Voltage Codes 4X,9X (Includes				Accessory Groups 10,20, Voltage Codes 4X,9X
307-1650	1	Leads) Accessory Groups 11.15.21,	5	812-0079	4	Screw, Machine - Round Head (#8-32 x 1/2")
		25, Voltage Codes 3,4,4X,	6	860-0008	4	Nut, Hex - Machine (#8-32)
		5D,7,9X	7	853-0005	4	Washer, Lock - ET (#8)
SWITCH, TIN	ΛE		8	332-1484	1	Terminal Block Assembly,
307-1103	1	240 Volt, 60 Hertz - Accessory Groups 10,20 - Voltage Codes				Exerciser Clock Bypass (Includes Parts Marked *)
		3,4,5D	9	301-3487	1	*Plate, Exerciser Clock
307-1102	1	120 Volt, 60 Hertz - Accessory				Opening Cover
		Groups 10,20 - Voltage Codes	10	332-0604	1	*Block, Terminal
		4X,9X	11	860-0006	2	*Nut, Hex - Machine (#6-32)
307-1102	1	120 Volt, 60 Hertz - Accessory	12	850-0020	2	*Washer, Lock - Spring (#6)
		Groups 11,15,21,25 - Voltage Codes 3,4,4X,5D,7,9X	13	332-1043	1	*Jumper
338-1189	1	Harness, Wiring - Accessory Groups 10,20 - Voltage Codes 3,4,5D,7X	٠.			484 Exerciser Clock
	NO. KIT, EXERCI 307-1652 307-1650 SWITCH, TIN 307-1103 307-1102	NO. USED  KIT, EXERCISER CLOG 307-1652 1  307-1650 1  SWITCH, TIME 307-1103 1  307-1102 1  307-1102 1	NO.         USED         DESCRIPTION           KIT, EXERCISER CLOCK (COMPLETE) - 60 Hertz         307-1652         1 Accessory Groups 10,20, Voltage Codes 3,4,5D,7           307-1648         1 Accessory Groups 10,20, Voltage Codes 4X,9X (Includes Leads)           307-1650         1 Accessory Groups 11,15,21, 25, Voltage Codes 3,4,4X, 5D,7,9X           SWITCH, TIME           307-1103         1 240 Volt, 60 Hertz - Accessory Groups 10,20 - Voltage Codes 3,4,5D           307-1102         1 120 Volt, 60 Hertz - Accessory Groups 10,20 - Voltage Codes 4X,9X           307-1102         1 120 Volt, 60 Hertz - Accessory Groups 11,15,21,25 - Voltage Codes 3,4,4X,5D,7,9X           338-1189         1 Harness, Wiring - Accessory Groups 10,20 - Voltage	NO.         USED         DESCRIPTION         NO.           KIT, EXERCISER CLOCK (COMPLETE) - 60 Hertz         3           307-1652         1         Accessory Groups 10,20, Voltage Codes 3,4,5D,7         4           307-1648         1         Accessory Groups 10,20, Voltage Codes 4X,9X (Includes Leads)         5           307-1650         1         Accessory Groups 11,15,21, 21, 25, Voltage Codes 3,4,4X, 6         6           5D,7,9X         7         8           SWITCH, TIME         8         8           307-1103         1         240 Volt, 60 Hertz - Accessory Groups 10,20 - Voltage Codes 3,4,5D         9           307-1102         1         120 Volt, 60 Hertz - Accessory Groups 10,20 - Voltage Codes 4X,9X         11           307-1102         1         120 Volt, 60 Hertz - Accessory Groups 11,15,21,25 - Voltage Codes 3,4,4X,5D,7,9X         13           338-1189         1         Harness, Wiring - Accessory Groups 10,20 - Voltage         1-	NO.         USED         DESCRIPTION         NO.         NO.           KIT, EXERCISER CLOCK (COMPLETE) - 60 Hertz         3 332-0942           307-1652         1 Accessory Groups 10,20,	NO.         USED         DESCRIPTION         NO.         NO.         USED           KIT, EXERCISER CLOCK (COMPLETE) - 60 Hertz 307-1652         1         Accessory Groups 10,20, Voltage Codes 3,4,5D,7         4         315-0379         1           307-1648         1         Accessory Groups 10,20, Voltage Codes 4X,9X (Includes Leads)         5         812-0079         4           307-1650         1         Accessory Groups 11,15,21, 25, Voltage Codes 3,4,4X, 5D,7,9X         6         860-0008         4           SWITCH, TIME 307-1103         1         240 Volt, 60 Hertz - Accessory Groups 10,20 - Voltage Codes 3,4,5D         9         301-3487         1           307-1102         1         120 Volt, 60 Hertz - Accessory Groups 10,20 - Voltage Codes 4X,9X         10         332-0604         1           307-1102         1         120 Volt, 60 Hertz - Accessory Groups 11,15,21,25 - Voltage         10         332-0604         1           307-1102         1         120 Volt, 60 Hertz - Accessory Groups 11,15,21,25 - Voltage         13         332-1043         1           338-1189         1         Harness, Wiring - Accessory Groups 10,20 - Voltage         * - Parts Included in 332-1

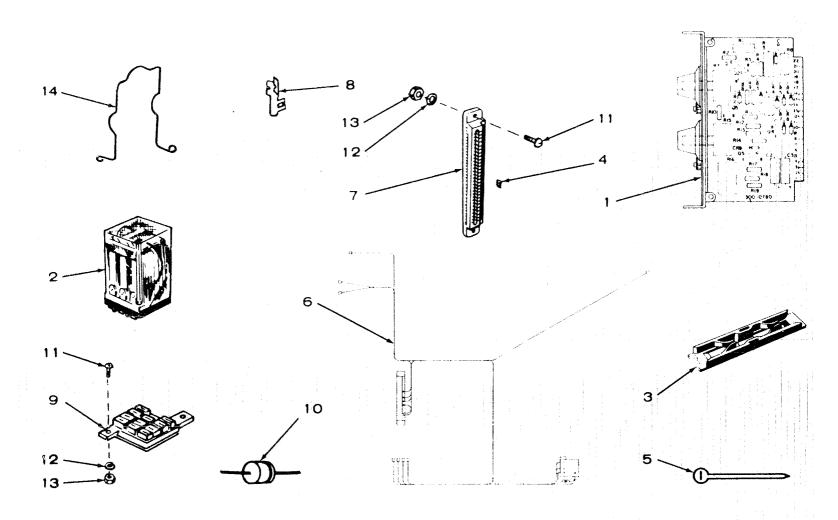
Bypass Assembly.

### BATTERY VOLTAGE SENSOR PACKAGE - OPTIONAL WIRE IN ACCESSORY GROUPS 11,12,13,21,22,23



REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF NO		QTY. USED	PART DESCRIPTION
	SENSOR PA	CKAGE, B	ATTERY VOLTAGE (Complete)	5	332-2114	1	Plug, Keying
	300-1019	1	12 Volt	6	332-1516	1	Strip, Marker
	300-1022	1	24 Volt	7	812-0061	2	Screw, Machine - Round Head
1	SENSOR, BA	ATTERY V	OLTAGE (See Separate Group				(#6-32 x 3/8")
	for Compone	ents)	,	8	812-0063	2	Screw, Machine - Round Head
	300-0796	1	12 Volt				(#6-32 x 1/2")
	300-0797	. 1	24 Volt	9	853-0003	4	Washer, Lock - ET (#6)
2	338-0658	1	Harness, Wiring (Includes	10	860-0006	2	Nut. Hex - Machine (#6-32)
			Terminal Block and Printed	11	LAMP, LOW	BATTERY	VOLTAGE!NDICATOR
			Circuit Board Terminal		322-0114	1	12 Volt
			Housing)		322-0126	1	24 Volt
. 3	332-0699	1	Block, Terminal (Part of	12	LAMP, HIGH	BATTERY	/ VOLTAGE INDICATOR
			Wiring Harness)		322-0115	1	12 Voit
4	332-2107	1	Housing, Printed Circuit		322-0127	1	24 Volt
			Board Terminal (Part of	13	338-0659	1	Harness, Lamps
			Wiring Harness)	14	332-0942	1	Tie, Cable

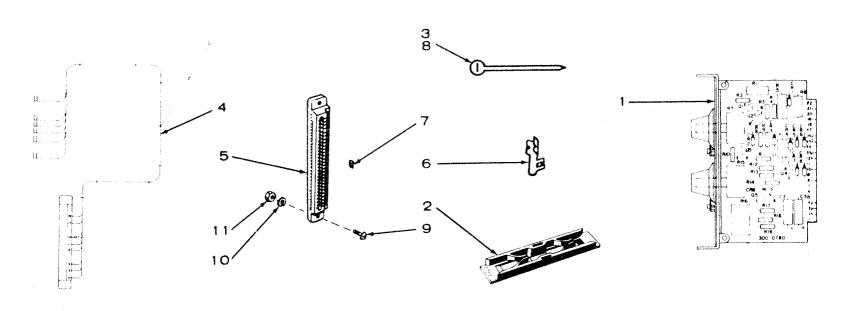
# OVER VOLTAGE SENSOR KIT - OPTIONAL WIRE IN ACCESSORY GROUPS 10,11,12,13,20,21,22,23



REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF NO.		QTY. USED	PART DESCRIPTION
	SENSOR KIT	r, over vo	DLTAGE (Complete)		338-0657	- 1	3 Phase Units
	300-1020	1	1 Phase Units	. 7	*HOUSING,	PRINTED C	CIRCUIT BOARD TERMINAL
	300-1021	• 1	3 Phase Units		332-2107	1	1 Phase Units
1	SENSOR, VO	DLTAGE			332-2107	3	3 Phase Units
	300-0780	1	1 Phase Units	8	*TERMINAL	, PRINTED (	CIRCUIT BOARD
	300-0780	3	3 Phase Units		332-2108	6	1 Phase Units
2	307-1058	1	Relay		332-2108	18	3 Phase Units
3	GUIDE, PRIN	NTED CIR	CUITBOARD	9	323-0765	1	*Socket, Relay
	,		Spec A	10	357-0004	1	*Rectifier, Diode
	323-0814	2	1 Phase Units	11	SCREW, M.	ACHINE - R	OUND HEAD (#6-32 x 3/8")
	323-0814	6	3 Phase Units		812-0061	4	1 Phase Units
			Begin Spec B		812-0061	8	3 Phase Units
	323~1084	2	1 Phase Units	12	WASHER, I	LOCK - ET (	#6)
	323~1084	6	3 Phase Units		853-0008	4	1 Phase Units
4	PLUG, KEYI	NG			853-0008	8	3 Phase Units
	332-2114	1	1 Phase Units	13	NUT, HEX-	MACHINE	
	332-2114	3	3 Phase Units		860-0006	4	1 Phase Units
5	TIE. CABLE				860-0006	. 8	3 Phase Units
	332-0942	25	1 Phase Units	. 14	307-1157	1.	Spring, Relay Hold-down
	332-0942	36	3 Phase Units				
6	HARNESS, V	WIRING (Ir	ncludes Parts Marked*)			1 11 1.1	
	338-0668	1	1 Phase Units	•	<ul> <li>Parts Include</li> </ul>	ded in Wirin	g Harness Assembly.

### PREHEAT TIME DELAY KIT - OPTIONAL WIRE IN ACCESSORY GROUPS 10,11,12,13,14,20,21,22,23,24

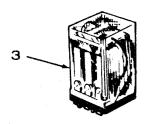
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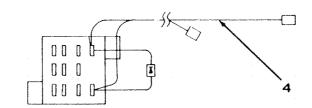


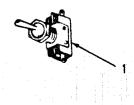
REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	
	KIT TIMEDE	FLAY-PRE	EHEAT (Complete)	5	332-2107	1	†*Housing, Printed Circuit	
	300-1800	1	Spec A				Board Terminal	
	300-1107	1	Begin Spec B	6	TERMINAL.	PRINTED	CIRCUIT BOARD	
1.	300-1072	1	Module, Preheat Time Delay	J	332-2108	7	†Spec A	
•	300 1072	•	(See Separate Group for		332-1269	6	†Spec A	
			Components)		332-2108	13	*Begin Spec B	
: 2	GUIDE PRIN	NTED CIRC	CUITBOARD	7	332-2114		†*Plug, Keying	
2	323-0814	2	Spec A	8	332-0942	12	†*Tie, Cable	
	323-1084	2	Begin Spec B	9	812-0061	2	Screw, Machine - Round Hea	d
3	332-0942	12	Tie, Cable	•	- · · · · · · · · · · · · · · · · · · ·		(#6-32 x 3/8")	
4	HARNESS, V	. —	110, 00010	10	853-0003	2	Washer, Lock - ET (#6)	
	338-1268	1	Spec A (Includes Parts	11	860-0006	2	Nut, Hex - Machine (#6-32)	
	300 1200	•	Marked †)	• ,			,	
	338-0770	1	Begin Spec B (Includes	+ -	Parts Includ	ed in 338-	1268 Wiring Harness.	
	000 0170	•	Parts Marked *)	: * _	Parts Includ	ed in 338-	0770 Wiring Harness.	
			,, ,				<u> </u>	

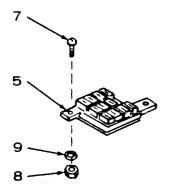
# RETRANSFER SWITCH PACKAGE (MANUAL PUSH) - OPTIONAL WIRE IN ACCESSORY GROUPS 10,11,12,14,20,21,22 (ALSO GROUPS 24 AND 25 SPEC A ONLY)

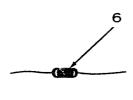
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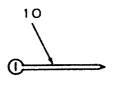


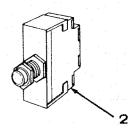








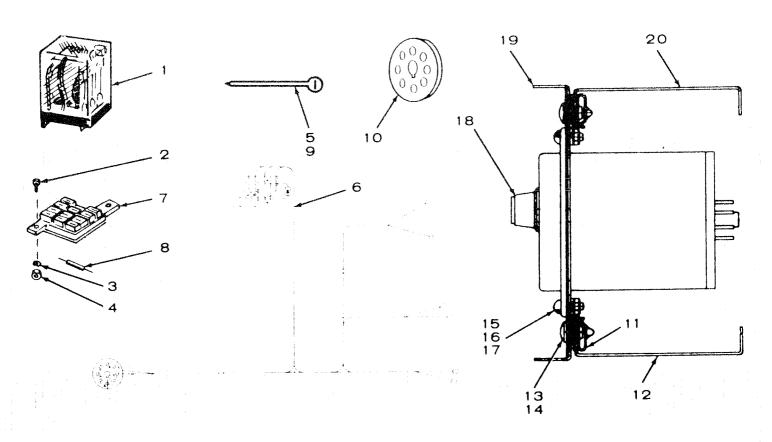




REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	308-0343	1	Switch Package - Retransfer	0	057.0004		Wiring Harness)
			(Complete)	6	357-0004		Rectifier, Diode (Part of Wiring Harness)
. 1	308-0321	7	Switch, Manual and Automatic				
2	308-0175	1	Switch, Retransfer	7	812-0061	2	Screw, Machine - Round Head
3	307-1058	1	Relay				(#6-32 x 3/8")
4	338-1061	1	Harness, Wiring (Includes	8	860-0006	2	Nut, Hex - Machine (#6-32)
			Diode and Socket)	9	853-0003	2	Washer, Lock - ET (#6)
5	323-0765	1	Socket, Relay (Part of	10	332-0942	. 9	Tie, Cable

#### RETRANSFER TIME DELAY (0-30 MINUTES) - SPEC A ONLY

A OT \_\_\_\_\_

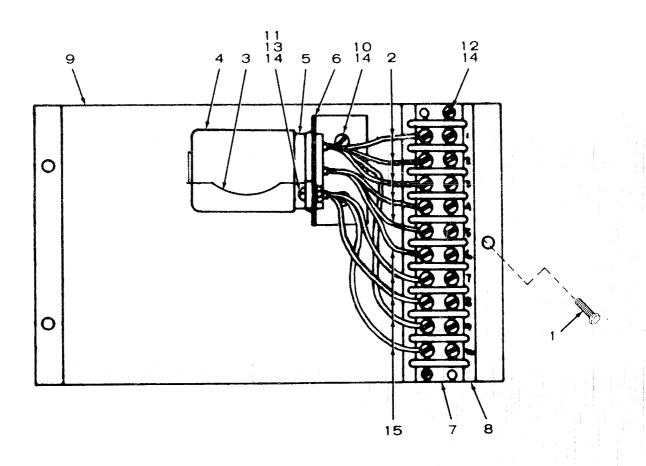


REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	307-1285	1	Time Delay Package - Re-	11	406-0332	2	†*Receptacle, Fastener
			transfer - Wire In - Optional (Includes Parts Marked *)	12	301-3557	1	†*Bracket, Panel Support (Bottom)
	307-1199	1	*Time Delay Package - Re-	13	406-0333	2	†*Stud, Fastener
	007 1100	•	Transfer - Plug In (Includes	14	406-0334	2	†*Washer, Stud Retainer
			Parts Marked †)	15	812-0061	2	†*Screw, Machine - Round Head (#6-32 x 3/8")
1	307-1058	1	*Relay		252 2222	0	
2	812-0061	6	*Screw, Machine - Round	16	853-0003	2	†*Washer, Lock - ET (#6)
			Head (#6-32 x 3/8")	. 17	860-0006	2	†*Nut, Hex - Machine (#6-32)
3	853-0003	6	*Washer, Lock - ET (#6)	18	307-1170	1	†*Relay, Time Delay (0-30
4	860-0006	6	*Nut, Hex - Machine (#6-32)				Minutes, 120 Volt, 50/60
.5	332-0942	9	*Tie, Cable				Hertz)
6	338-0677	1	*Harness, Wiring (Includes	19	301-3558	1	†*Panel, Motor Timer
			Parts Marked •)	20	301-3556	1	†*Bracket, Panel Support (Top)
7	323-0765	1	•*Socket, Relay				
8	357-0004	1	• *Rectifier, Diode	• -	Parts Includ	ed in 307-	-1285 Time Delay Package.
9	332-0942	15	• Tie, Cable	• -	Parts Includ	ed in 338-	-0677 Wiring Harness.
10	323-0850	1	•*Plug, Relay	† •	Parts Includ	ed in 307-	-1199 Time Delay Package.

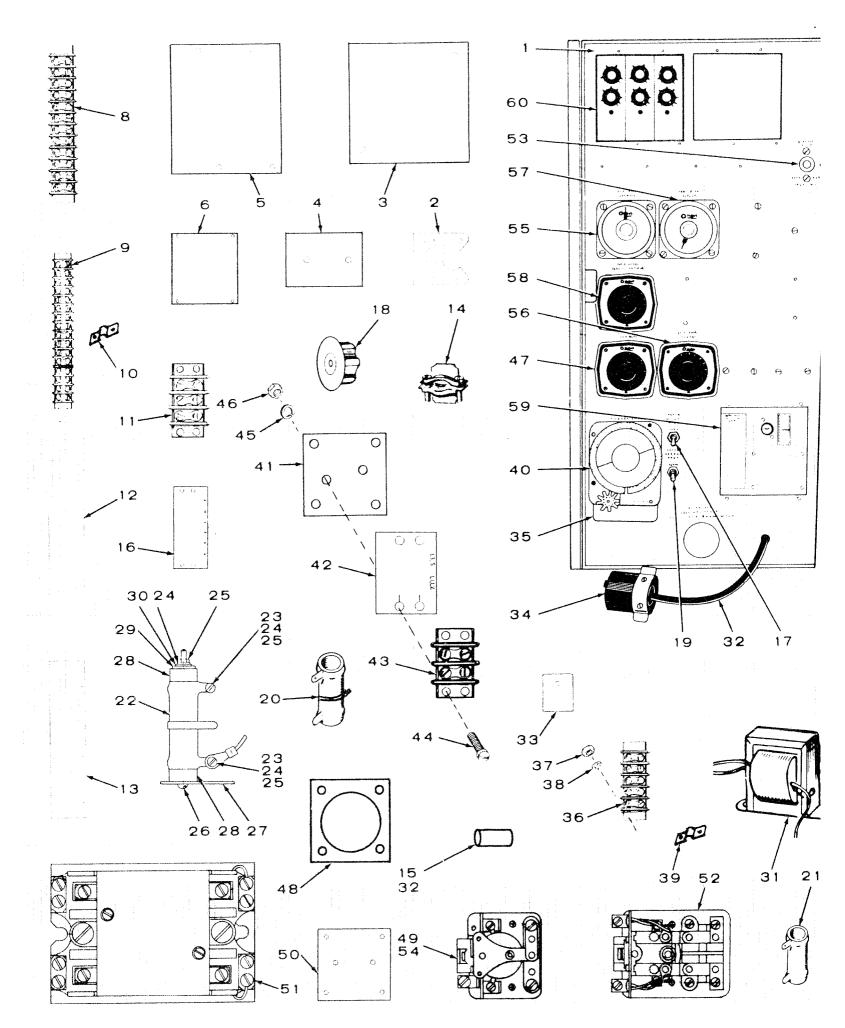
<sup>-</sup> Parts Included in 338-0677 Wiring Harness.
+ Parts Included in 307-1199 Time Delay Package.

#### AUXILIARY STARTING CONTACTS RELAY ASSEMBLY - OPTIONAL WIRE IN

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REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	RELAY PAC	KAGE, AU	XILIARY STARTING CONTACTS	6	301-3620	1	Bracket, Relay Mounting
	307-1320	1	For Units with 12 Volt	7	332-0751	1	Terminal, Block
			Starting Circuit (D & E)	8	332-0853	1	Strip, Marker
	307-1321	1	For Units with 24 Volt	9	301-3632	1	Bracket, Relay and Transfer
			Starting Circuit (C)	10	815-0387	2	Screw, Machine - Pan Head Cross Recessed (#6-32 x 1/4")
1	815-0387	3	Screw, Machine - Pan Head Cross Recessed (#6-32 x 1/4")	11	812-0061	2	Screw, Machine - Round
2	336-2179	6	Lead			-	Head (#6-32 x 3/8")
3	307-1157 RELAY	1	Spring, Relay Holddown	12	815-0388	2	Screw, Machine - Pan Head Cross Recessed (#6-32 x 1/2")
,	307-1058	1	12 Volt (For 12 Volt Starting Circuit D & E)	13	860-0006	2	Nut, Hex Head Machine (#6-32)
	307-1056	1	24 Volt (For 24 Volt	14	853-0003	6	Washer, Lock - ET (#6)
		•	Starting Circuit C)	15	336-2066	4	Lead
5	323-0765	1	Socket Relay				



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REF. NO.	PART NO.	QTY. USED		REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1 2	301-3825 405-1872	1 2	Panel, Swinging Clip, Door		850-0020	3	Accessory Group 54 (Except
3	301-2259	1	Plate, Cover (3-5/8 x 3-5/8")	· ·	850-0020	6	Voltage Codes 4X,9X,54X,59X) Accessory Group 55 (Except
4	301-3842	1	Plate, Cover (2.31 x 1.62")	25	NILIT LIEV A	AACHINE.	Voltage Codes 4X,9X,54X,59X)
			(Not used on Units with 3 Wire Starting Circuit)	25	NUT, HEX - N 860-0006	VIACHINE (	Accessory Group 54 (Except
5	301-4087	2	Plate, Cover (5 x 6")		800-0000	J	Voltage Codes 4X,9X,54X,59X)
6	301-4141	1	Plate, Cover (6-1/2 x 6")		860-0006	6	Accessory Group 55 (Except
7		•	MAIN - NOT ILLUSTRATED				Voltage Codes 4X,9X,54X,59X)
	, ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Voltage Codes 3,4,5D,53,	26	SCREW, MA	CHINE-R	OUND HEAD (#6-32 x 3")
			54,55D		812-0140	1.	Accessory Group 54 (Except
	338-0923	, 1	2 Wire Starting Circuit				Voltage Codes 4X,9X,54X,59X)
		•	(C & D) (Includes Parts		812-0140	2	Accessory Group 55 (Except
	220 0001		Marked *)	0.7	INCLUATOR	DECICE	Voltage Codes 4X,9X,54X,59X)
	338-0921	1	3 Wire Starting Circuit	27	INSULATOF 304-0292	1, HESIST	Accessory Group 54 (Except
			(E) (Includes Parts Marked Δ)		304-0232		Voltage Codes 4X,9X,54X,59X)
			Voltage Codes 4X,9X,54X,59X		304-0292	2	Accessory Group 55 (Except
			2 Wire Starting Circuit				Voltage Codes 4X,9X,54X,59X)
			(C & D) (Includes Parts	28	INSULATOR	R. RESISTO	OR The state of th
			Marked †)		508-0161	2	Accessory Group 54 (Except
	338-0922	1	3 Wire Starting Circuit		500 0101		Voltage Codes 4X,9X,54X,59X)
			(E) (Includes Parts		508-0161	4	Accessory Group 55 (Except
			Marked £)	29	WASHER, FI	IRER	Voltage Codes 4X,9X,54X,59X)
	338-1091	1	Voltage Codes 7,57  2 Wire Starting Circuit	23	508-0015	1	Accessory Group 54 (Except
	000 1001	, .	(C.& D) (Includes Parts		000 00.0		Voltage Codes 4X,9X,54X,59X)
			Marked □)		508-0015	2	Accessory Group 55 (Except
	338-1058	1	3 Wire Starting Circuit				Voltage Codes 4X,9X,54X,59X)
			(E) (Includes Parts	30		LAT (.172″	ID x 3/8" OD x 1/32" Thk)
_			Marked #)		526-0048	1 1	Accessory Group 54 (Except
8	332-1468	1	#□£†∆*Block, Terminal (12 Place)		E06:0049	2	Voltage Codes 4X,9X,54X,59X)
9 10	332-0795 332-1043	1 2	#□£†∆*Block, Terminal (16 Place) #□£†∆*Jumper, Terminal		526-0048	. ~	Accessory Group 55 (Except Voltage Codes 4X,9X,54X,59X)
11	332-1043	1	£Block, Terminal (3 Place)	31	TRANSFOR	MFR	Voltage Codes 4X,3X,34X,33X)
12	332-1699	1	Strip, Marker (Remote, B+,	0,	315-0153	.1	Units with Voltage Codes
			Gnd, 1 thru 11, 55)				4X,54X (480 Volt)
13	332-1469	1	Strip, Marker (1 thru 12)		315-0365	1 :	Units with Voltage Codes
14	332-1969	. 1	Clamp, Cable		500 0004		9X,59X (600 Volt)
15	503-0721	1	Bushing, Rubber	32 33	503-0801 301-3765	1 2	Hose, Insulating Plate, Panel Interlock
16	332-1968	1	Strip, Marker (2 and 3) - Voltage Codes 4X,9X,54X,	34		1	Plug, Line Disconnect
			59X	35	301-3487	1	Plate, Cover - Exerciser
17	SWITCH, S	FLECTOR			00.0.0		Clock Opening - Accessory
	308-0138	1	Units with 2 Wire Starting				Groups 51,52
			Circuits (C & D)	36	332-0604	1	Terminal, Block (5 Place) -
	308-0193	1	Units with 3 Wire Starting	0.7		•	Accessory Groups 51,52
4.0	000 0070	4	Circuits (E)	37	860-0006	2	Nut, Hex (#6-32) - Accessory Groups 51,52
18	303-0076	1	Knob, Switch - Units with 3 Wire Starting Circuits	38.	850-0020	2	Washer, Lock - Spring (#6)
19	308-0069	1	Switch, Test-Transfer	00	000 0020	_	Accessory Groups 51,52
20	RESISTOR		GWITCH, FOOT FLAMOUR	39	332-1043	1	Jumper, Terminal Block -
	304-0131	1	Voltage Codes 3,4,5d,7,53,				Accessory Groups 51,52
			54,55D,57 (750-ohm, 25 Watt)	40	CLOCK, PL/	ANTEXER	
	304-0563	1	Voltage Codes 4X,9X,54X,59X				Voltage Codes 3,4,5D,7,53,
			(2500-ohm, 25 Watt)		207 1102	4	54,55D,57
21	353-0055	1	Resistor (3-ohm, 10 Watt) -		307-1103 307-1105	1	60 Hertz
22	DECICEOD	/E00 ohm	Units with 3 Wire Starting (E)		307-1103	1	Voltage Codes 4X,9X,54X,59X
22	RESISTOR 304-0094	(500-onm	Accessory Group 54 (Except		307-1102	1	60 Hertz
	. 304-0034		Voltage Codes 4X,9X,54X,59X)		307-1104	1	50 Hertz
	304-0094	2	Accessory Group 55 (Except	41	PLATE, REL	AYBYPAS	SS
			Voltage Codes 4X,9X,54X,59X)		301-3837	3	Accessory Group 51
23			ROUND HEAD (#6-32 x 1/4")	4.0	301-3837	2	Accessory Groups 52,53,54
	812-0059	2	Accessory Group 54 (Except	42	STRIP, MAR	KEH	Accessory Group 51
	010 0050	A	Voltage Codes 4X,9X,54X,59X)		332-1821	. 1	2 Place (L3,5-L1L2) -
	812-0059	4	Accessory Group 55 (Except Voltage Codes 4X,9X,54X,59X)		332 1021	•	Voltage Codes 3,4,5D,7,
			Totago Godos Monto Monto				and the same of the same and th

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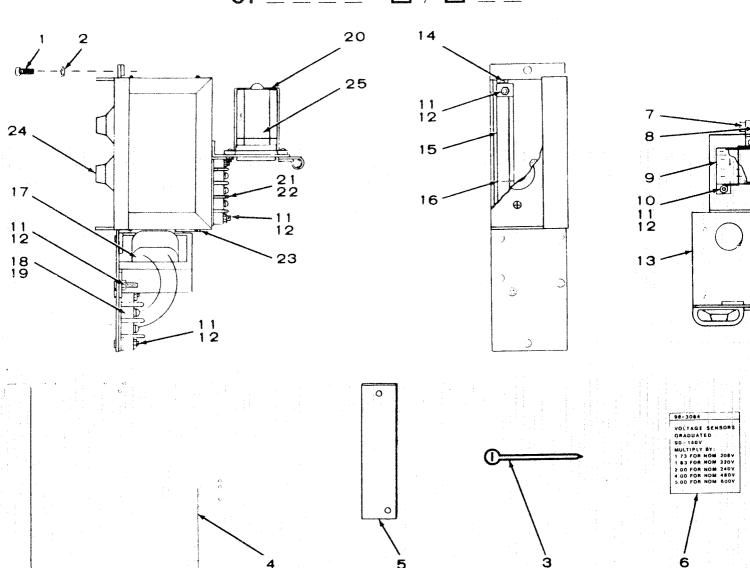
REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF.		QTY. USED	PART DESCRIPTION
	332-1824	1	2 Place (L1,2-L2) - Voltage Codes 4X,9X,54X,59X	50	307-1080 301-3375	1	Voltage Codes 4X,9X,54X,59X Plate, Relay Mounting -
	332-1820	2	2 Place (7,8-6)				Accessory Groups 51,52,53
	332-1822	1	3 Place (L1,L3-(3)-3,5) - Voltage Codes 3,53 Accessory Groups 52,53,54	51	RELAY, INT 307-0664	ERPOSING 1	G-GENERATOR Voltage Codes 3,4,5D,7, 53,54,55D,57
	332-1821	1	2 Place (L3,5-L1,L2) - Voltage Codes 3,4,5D,7,	r. 0	307-0707 307-0708	1	Voltage Codes 4X,54X Voltage Codes 9X,59X
	332-1824	1	53,54,55D,57 2 Place (L1,2-L2) - Voltage Codes 4X,9X,54X,59X	52	RELAY, INT 307-1083	1	Voltage Codes 3,5D,7,53, 55D,57
	332-1820	. 1	2 Place (7,8-6)		397-1113	1	Voltage Codes 4,54
	332-1822	1	3 Place (L3,5-L1,L2) - Voltage Codes 3,53		307-0663	1	Voltage Codes 4R,9X,54X, 59X
	332-1822	1	Accessory Groups 55 - Voltage Groups 2,3,52,53	53	320-0221	1	Limiter, Cranking - Three Wire Starting Circuit
43	BLOCK, TE	RMINAL		54	RELAY, PHA	ASEPROTE	
	000 4007		2 Place		307-1114	1	Voltage Code 4
	332-1937	3	Accessory Group 51		307-1081	1	Voltage Code 5D
	332-1937 332-0611	2 1	Accessory Groups 52,53,54		307-1119	1	Voltage Code 4X
	002-0011	ı	3 Place - Voltage Codes 3,53		307-1425	1	Voltage Code 9X
44	SCREW MA	ACHINE - R	0,53 OUND HEAD (#6-32 x 5/8")		307-1081	2	Voltage Code 7
. , ,	812-0065	8	Accessory Group 51 Voltage Codes 3,53	55	RELAY, TIM GROUPS 52		N RETRANSFER - ACCESSORY
	812-0065	: 6	Voltage Codes 4,5D,4X,7,		307-0724	1	Voltage Codes 3,4,5D,7,
		: · · · · · · · · · · · · · · · · · · ·	9X,54,55D,54X,57,59X Accessory Groups 52,53,54		307-0722	1	53,54,55D,57 Voltage Codes 4X,9X,54X,59X
	812-0065	6	Voltage Codes 3,53	56	RELAY, TIM	E DELAY O	NSTARTING - ACCESSORY
	812-0065	4	Voltage Codes 4,5D,4X,7, 9X,54,55D,54X,57,59X		GROUPS 54 307-1158		Voltage Codes 3,4,5D,7,53,
	812-0065	2	Accessory Group 55, Voltage Codes 3,53		307-1159	1	54,55D,57 Voltage Codes 4X,9X,54X,59X
45	WASHER, L		Accessory Group 51	57	RELAY, TIMI GROUPS 55		N STOPPING - ACCESSORY
	856-0001	8	Voltage Codes 3,53				Voltage Codes 3,4,5D,7,53,
	856-0001	6	Voltage Codes 4,5D,4X,7, 9X,54,55D,54X,57,59X		307-0724	1	54,55D,57 2 Wire Starting Circuit
	856-0001		Accessory Groups 52,53,54		307-1419	1	(C & D)
	856-0001	6 4	Voltage Codes 3,53		307-1419	1	3 Wire Starting Circuit (E)
	856-0001	2	Voltage Codes 4,5D,4X,7, 9X,54,55D,54X,57,59X Accessory Group 55, Voltage		307-0722	1	Voltage Codes 4X,9X,54X,59X 2 Wire Starting Circuit (C & D)
1	000-0001	_	Codes 3,53		307-1417	1	3 Wire Starting Circuit (E)
46	NUT, HEX-I	MACHINE		58	307-1450	1	Relay Package, Time Delay on Pre-Heat - For 3 Wire
	860-0006	8	Voltage Codes 3,53				Starting Circuit (E) -
	860-0006	6	Voltage Codes 4,5D,4X,7,				Optional Wire In
			9X,54,55D,54X,57,59X	59	CHARGERP	ACKAGE, I	BATTERY - OPTIONAL WIRE IN
,			Accessory Groups 52,53,54		(See Separat	e Groups fo	or Components)
	860-0006	6	Voltage Codes 3,53		305-0562	1	120 Volt AC Input, 12 Volt
	860-0006	4	Voltage Codes 4,5D,4X,7,				DC - 300 Milliampere Output
	860-0006	2	9X,54,55D,54X,57,59 Accessory Group 55, Voltage		305-0563	1	208/240 Volt AC Input, 12 Volt DC - 300 Milliampere
47	RELAY, TIM ACCESSOR		Codes 3,53 NTRANSFER -		305-0568	1	Output 208/240 Volt AC Input, 12 Volt DC - 2 Ampere Output
	307-1144	1	Voltage Codes 3,4,5D,7,53, 54,55D,57		305-0570	1	208/240 Volt AC Input, 24 Volt DC - 2 Ampere Output
	307-1162 307-1424	1	Voltage Codes 4,54X Voltage Codes 9,59X		305-0569	1	480/600 Volt AC Input, 12 Volt DC - 2 Ampere Output
48	MOUNTING	PACKAGE	- RELAY		305-0571	- <b>1</b>	480/600 Volt AC Input, 12 Volt DC - 2 Ampere Output
	301-3315 301-3315	2	Accessory Group 54	60	SENSOD DA	OKAGE VO	Voit DC - 2 Ampère Output DLTAGE - OPTIONAL WIRE IN
49			Accessory Group 55 ACCESSORY GROUPS	00			r Components)
	51,52,53		ACCESSORT GROOFS		300-1365		Over or Under Voltage
	307-1081	1	Voltage Codes 3,5D,7,53, 55D,57		300-1366		(120 Volt, 1 Phase) Over and Under Voltage
	307-1114	. 1	Voltage Codes 4 54				(120 Volt 1 Phase)

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REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	300-1367	1	Over or Under Voltage (208-240 Volt, 1 Phase)		300-1376	1	Over Voltage (480 Volt, 3 Phase)
	300-1368	1	Over and Under Voltage (208-240 Volt, 1 Phase)		300-1377	1	Over and Under Voltage (480 Volt, 3 Phase)
	300-1372	1	Under Voltage (208-240 Volt, 3 Phase)		300-1378	1	Under Voltage (600 Volt, 3 Phase)
	300-1373	1	Over Voltage (208-240 Volt, 3 Phase)		300-1379	. 1	Over Voltage (600 Volt, 3 Phase)
	300-1374	1	Over and Under Voltage (208-240 Volt, 3 Phase)		300-1380	. 1	Over and Under Voltage (600 Volt, 3 Phase)
	300-1369	1	Under Voltage (220 Volt, 3 Phase)				
	300-1370	1	Over Voltage (220 Volt, 3 Phase)				923 Wiring Harness. 921 Wiring Harness.
	300-1371	1	Over and Under Voltage (220 Volt, 3 Phase)	† -	Parts Includ	ed in 338-0	930 Wiring Harness. 1922 Wiring Harness.
	300-1375	1	Under Voltage (480 Volt, 3 Phase)	# -	Parts Includ	ed in 338-1	058 Wiring Harness. 091 Wiring Harness.

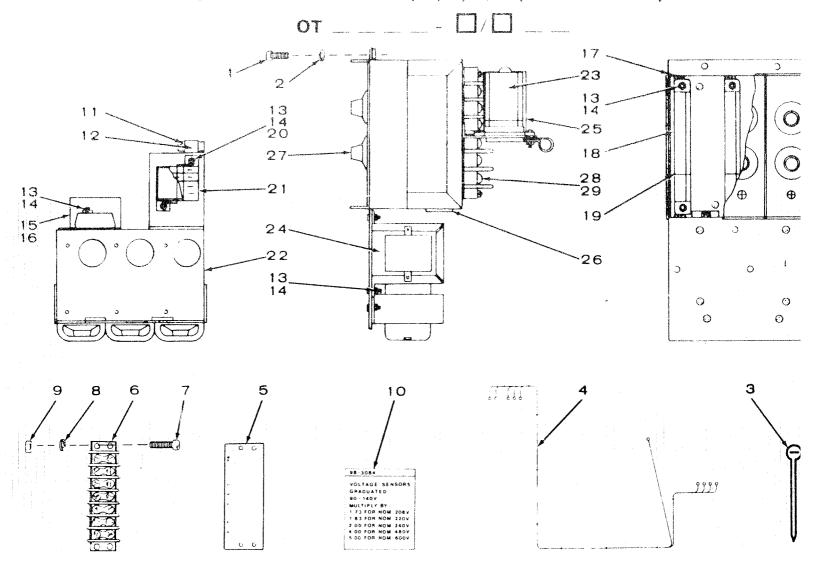
### **VOLTAGE SENSOR PACKAGE - OPTIONAL WIRE IN - ACCESSORY GROUPS 51,52,53,54,55 (SINGLE PHASE)**





REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF.	PART NO.	QTY. USED	PART DESCRIPTION
	SENSOR PA	ACKAGE, V	OLTAGE - COMPLETE	9	323-0765	1	Socket, Relay
	(Optional W 300-1365		Over or Under (1)	10	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8")
	300-1366		Over or Order (1) Over and Under (1)	11	860-0006	10	Nut, Hex - Machine (#6-32)
	300-1367	1	Over or Under (3)	12	853-0003	10	Washer, Lock - ET (#6)
	300-1368	1	Over and Under (3)	13	301-4067	1	Rack, Chassis
	000 1000		Over and ones. (e)	14	323-0814	2	Guide, Printed Circuit Board
1	812-0061	3	Screw, Machine - Round Head (#6-32 x 3/8")	15	332-2107	1 1	Housing, Printed Circuit  Board Terminal
. 2	853-0003	3	Washer, Lock - ET (#6)	16	332-2114	1	Plug, Keying
3	332-0942	6	Tie, Cable	17	TRANSFO	RMER	
4	338-1004	1	Harness, Wiring		315-0360	1	120 Volt, 1 Phase
5	301-4088	1	Plate, Cover (Packages with Over	•	315-0361	1	208-240 Volt, 1 Phase
			or Under Voltage Sensors)	18	332-1937	. 1	Block, Terminal
6	98-3084	1	Decal, Voltage Sensors	19	332-1949	1 :	Strip, Marker
			Graduated Voltage	20	307-1157	1	Spring, Relay Hold-down
7	356-0067	1	Capacitator Assembly (Includes	21	332-0611	1	Block, Terminal
		and the second	Terminal and Leads)	22	332-1948	1	Strip, Marker
8	332-1414	1	Clamp, Loop	23	331-0102	1 1	Bushing, Snap
				24	300-0780	<b>.</b>	Module, Voltage Sensor (See Separate Group for Components)
				25	307-1131	1	Relav

### VOLTAGE SENSOR PACKAGE - OPTIONAL WIRE IN - ACCESSORY GROUPS 51,52,53,54,55 (THREE PHASE)



REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	SENSOR P		OLTAGE - COMPLETE		812-0061	6	Under or Over Sensor Package
	300-1372	1	Under Voltage - 4,5D Volt, 3 Phase		812-0061	12	Over and Under Sensor Package
	300-1373	1	Over Voltage - 4,5D	2	WASHER, L	OCK-ET(	
			Volt, 3 Phase		853-0003	6	Under or Over Sensor
	300-1374	1	Over and Under Voltage -				Package
			4,5D Volt, 3 Phase		853-0003	12	Over and Under Sensor
	300-1369	1	Under Voltage - 4,	2	332-0942	9	Package Tie, Cable
			3 Phase	3	HARNESS,	•	rie, Cable
	300-1370	1	Over Voltage - 220 Volt,	4	338-1005	1	220 Volt, 3 Phase
	300-1371	1	3 Phase Over and Under Voltage - 4. 3 Phase		338-1006	1	208-240, 480, 600 Volt, 3 Phase
	300-1375	4	Under Voltage - 4X,	5	332-1951	1	Strip, Marker
	300-1373	1	3 Phase	6	332-1952	1	Block, Terminal
	300-1376	. 1	Over Voltage - 4X, 3 Phase	7	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8")
	300-1377	1	Over and Under Voltage -	8	856-0001	2	Washer, Lock - EIT (#6)
	000 1071		4X, 3 Phase	9	860-0006	2	Nut, Hex - Machine (#6-32)
	300-1378	1	Under Voltage - 9X, 3 Phase	10. The second of the second o	98-3084	. <b>1</b>	Decal, Voltage Sensors Graduated Voltage
	300-1379	4	Over Voltage - 9X,	11			LY (Includes Leads and
	000 1070		3 Phase				sor Packages with Over
	300-1380	1	Over and Under Voltage -		and Under S	ensors use	one of each
			9X, 3 Phase		capacitors)		
1	SCREW, M.	ACHINE - R	OUND HEAD (#6-32 x 3/8")		356-0071	1	Over Voltage
					356-0067	1	Under Voltage

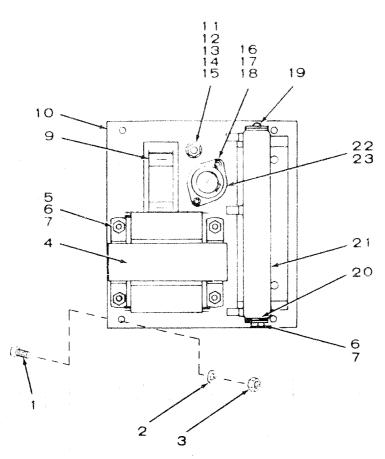
# **VOLTAGE SENSOR PACKAGE - OPTIONAL WIRE IN - ACCESSORY GROUPS 51,52,53,54,55 (THREE PHASE)**

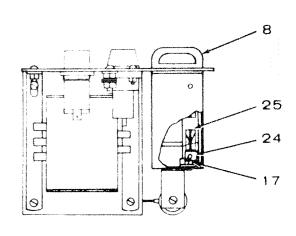
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REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
12	CLAMP, LOOF	)					
	332-1414	1	Over or Under Voltage Sensors		323-0765	2	Over and Under Voltage Sensors
	332-1414	2	Over and Under Voltage	22	RACK, CHA		
			Sensors		301-4068	1	Over or Under Voltage
13	NUT, HEX - MA		(#8-32)			_	Sensors
	860-0006	16	Over or Under Voltage Sensors		301-4068	2	Over and Under Voltage Sensors
	860-0006	32	Over and Under Voltage	23	RELAY, 24 V		
			Sensors		307-1131	1	Over or Under Voltage
14	WASHER, LO	,					Sensors
	853-0003	16	Over or Under Voltage		307-1131	2	Over and Under Voltage
		20	Sensors	0.4	TOANOCOC		Sensors
	853-0003	32	Over and Under Voltage	24	TRANSFOR	IMER	Over or Under Voltage
4.5	DI CON TEDA	415.7.4.1	Sensors				Over or Under Voltage Sensors
15	BLOCK, TERM		Over or Heder Voltage		315-0361	1	4,5D, 3 Phase
	332-1541	1	Over or Under Voltage		315-0362	1	4X, 3 Phase
	222 4544	0	Sensors		315-0363	1 .	9X, 3 Phase
	332-1541	2	Over and Under Voltage Sensors		313-0303	١,	Over and Under Voltage
16	STRIP, MARK	CD	Sensors				Sensors
16	332-1950	1	Over or Under Voltage		315-0361	2	4,5D, 3 Phase
	332-1930	r	Sensors		315-0362	2	4X, 3 Phase
	332-1950	1	Over and Under Voltage		315-0363	2	9X, 3 Phase
	00E 1330		Sensors	25	SPRING RI		
17	GUIDE, PRIN	TED CIR		2.5	307-1157	1	Over or Under Voltage
• •	323-0814	1	Over or Under Voltage		307 1137		Sensors
		·	Sensors		307-1157	2	Over and Under Voltage
	323-0814	2	Over and Under Voltage			. T .	Sensors
			Sensors	26	BUSHING,	SNAP	
18	HOUSING, PR	RINTED	CIRCUIT BOARD TERMINAL		331-0102	3	Over or Under Voltage
	332-2107	3	Over or Under Voltage				Sensors
			Sensors		331-0102	6	Over and Under Voltage
	332-2107	6	Over and Under Voltage				Sensors
			Sensors	27	MODULE, \	/OLTAGE:	SENSOR (See Separate
19	PLUG, KEYIN				Group for C	component	s)
	332-2114	3	Over or Under Voltage Sensor		300-0780	3 .	Over or Under Voltage Sensors
	332-2114	6	Over and Under Voltage Sensor		300-0780	6	Over and Under Voltage Sensors
20	SCREW, MAC	HINE-R	IOUND HEAD (#6-32 x 5/8")	28	332-0765	:1	Strip, Terminal - Over
	812-0065	2	Over or Under Voltage				Voltage Sensors - 4
			Sensor	29	815-0122	1	Screw, Machine - Hex Head
	812-0065	4	Over and Under Voltage				(#6-32 x 1/2") - Over
			Sensor				Voltage Sensors - 4
21	SOCKET, RE	LAY					
	323-0765	1	Over or Under Voltage				
			Sensors				

# BATTERY CHARGER (2 AMPERE) PACKAGE - OPTIONAL WIRE IN - ACCESSORY GROUPS 51,52,53,54,55

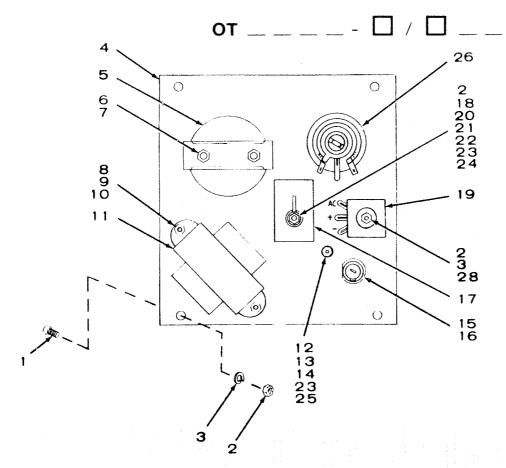
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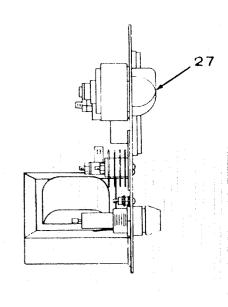




REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	CHARGER	PACKAGE	, BATTERY (2 Ampere) -	9	302-0807	1	Ammeter, DC
	OPTIONAL			10	301-4148	1	Rack, Chassis
	305-0568	1	3.4,5D AC Input, 12 Volt DC Output	11	810-0081	1	Screw, Machine - Round Head Brass (#8-32 x 5/8")
	305-0570	1	3,4,5D AC Input,	12	856-0002	1	Washer, Lock - EIT (#8)
			24 Volt DC Output	13	871-0007	2	Nut, Hex - Machine (#8-32)
	305-0569	1	4X, 9X AC Input.	14	853-0005	1	Washer, Lock - ET (#8)
	005 0574		12 Volt DC Output	15	526-0048	1	Washer, Flat (.172" ID x 3/8" OD x 1/32" Thk)
	305-0571	1	4X, 9X DC Input, 24 Volt DC Output	10	812-0061	2	Screw, Machine - Round Head
1	812-0077	4	Screw, Machine - Round Head	16	812-0001	۷	(#6-32 x 3/8")
			(#8-32 x 3/8")	17	853-0003	4	Washer, Lock - ET (#6)
2	853-1005	4	Washer, Lock - ET (#8)	18	860-0006	4	Nut, Hex - Machine (#6-32)
3	860-0008	4	Nut, Hex - Machine (#8-32)	19	813-0116	1	Screw, Machine - Round Head
. 4	315-0379	1	Transformer, Battery Charger				(#10-32 x 6-1/2")
5	813-0099	4	Screw, Machine - Round Head	20	304-0006	2	Washer, Centering
			(#10-32 x 7/16")	21	353-0046	í	Resistor (.6-Ohm, 75 Watt)
6	853-0008	5	Washer, Lock - ET (#10)	22	321-0178	1	Holder, Fuse
7	870-0053	5	Nut, Hex - Machine (#10-32)	23	321-0180	1	Fuse (1 Ampere, 600 Volt)
8	MODULE, B	ATTERY C	CHARGER (See Separate Groups	24	332-2107	1	Housing, Printed Circuit Board
	for Compon	ents)		25	323-0814	2	Guide, Printed Circuit Board
	300-0793 300-0794	1	12 Volt DC Output 24 Volt DC Output		332-2114	1	Plug, Keying

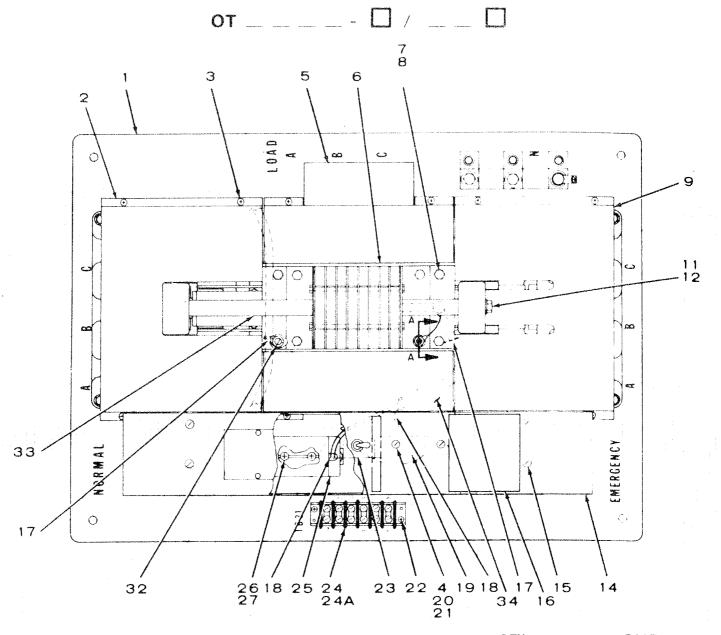
# BATTERY CHARGER (300 MILLIAMPERE) PACKAGE (OPTIONAL WIRE IN) - ACCESSORY GROUPS 51,52,53,54,55





REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	CHARGER F		, BATTERY (300 Milliampere) -	12	810-0081	1	Screw, Machine - Round Head Brass (#8-32 x 5/8")
	305-0562	1	1 AC Input,	13	856-0002	1	Washer, Lock - EIT (#8)
	000 000		12 Volt DC Output	14	853-0005	1 -	Washer, Lock - ET (#8)
	305-0563	1	3,4,5D Volt AC Input,	15	321-0104	1	Holder, Fuse
	000 000		12 Volt Output	16	321-0067	1	Fuse (1 Ampere)
1	812-0061	4	Screw, Machine - Round Head	17	304-0292	1	Insulator, Resistor
•	012 0001	•	(#6-32 x 3/8")	18	812-0072	1	Screw, Machine - Round Head
2	860-0006	4	Nut, Hex - Machine (#6-32)				(#6-32 x 1-3/4")
3	853-0003	4	Washer, Lock - ET (#6)	19	305-0129	1	Rectifier, Full Wave
4	301-4106	1	Panel, Battery Charger	20	508-0161	1	Insulator, Resistor
-5	302-0489	2	Milliammeter, DC	21	304-0538	1	Resistor, Fixed
6	871-0010	4	Nut, Hex - Machine (#10-32)	22	508-0015	1	Washer, Fibre
7	526-0049	4	Washer, Flat - Brass (.200" ID x 7/16" OD x 1/32" Thk)	23	526-0048	2	Washer, Flat (.172" ID x 3/8" OD x 1/32" Thk)
8	812-0061	2	Screw, Machine - Round Head	24	850-0020	. 1	Washer, Lock (#6)
J	012 0001	_	(#6-32 x 3/8")	25	871-0007	2	Nut, Hex - Machine (#8-32)
9	860-0006	4	Nut. Hex - Machine (#6-32)	26	303-0117	1	Rheostat
10	853-0003	3	Washer, Lock - ET (#6)	27	303-0076	1	Knob
11	TRANSFOR	MER		28	812-0068	1	Screw, Machine - Round Head
	315-0009	1	1 AC Input				(#6-32 x 1")
	315-0010	1	3,4,5D AC Input				

### TRANSFER SWITCH ASSEMBLY (2 AND 3 POLE)



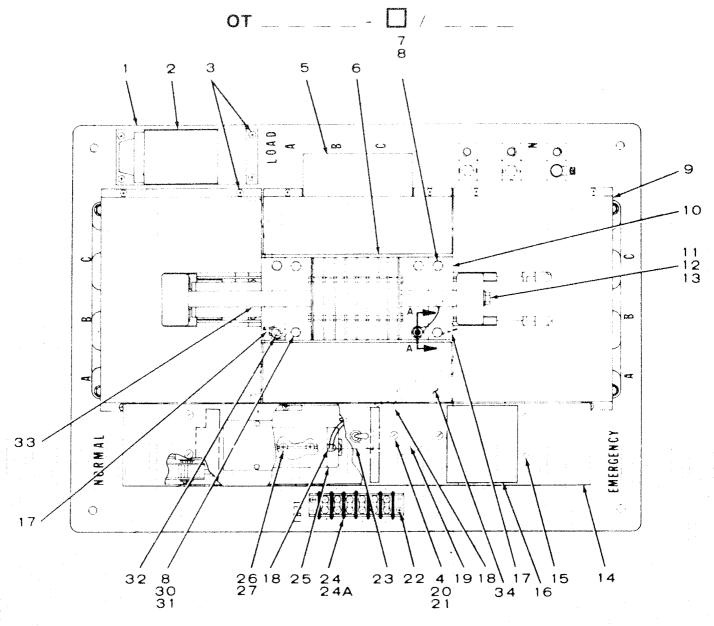
REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	SWITCH AS	SEMBLY, TR	ANSFER (COMPLETE)		306-1881	. 1	240 Volt, 60 Hertz
			2 Pole		306-1882	1	240 Volt, 50 Hertz
			Specs A and B		306-1883	1	347 Volt, 50/60 Hertz
			Standard		306-1884	1	440/480 Volt, 50/60 Hert:
	306-0964	1	110/120 Volt, 50/60 Hertz				3 Pole
	306-0966	1	208/220/240 Voit, 50/60				Specs A and B
	000 0000	•	Hertz				Standard
	306-0968	. 1	347 Volt, 50/60 Hertz		306-0940	1	110/120 Volt, 50/60 Hert.
	306-0970	1	440/480 Volt, 50/60 Hertz		306-0942	1	208/220/240 Volt, 50/60
	000 0010	,	Rear Connected				Hertz
	306-0976	1	110/120 Volt, 50/60 Hertz		306-0944	1	347 Volt, 50/60 Hertz
	306-0978	1	208/220/240 Volt, 50/60		306-0946	1	440/480 Volt, 50/60 Hert
	300-0370	,	Hertz				Rear Connected
	306-0980	1	347 Volt, 50/60 Hertz		306-0952	1	110/120 Volt, 50/60 Hert
	306-0982	1	440/480 Volt, 50/60 Hertz		306-0954	1	208/220/240 Volt, 50/60
	000 0002	,	Begin Spec C	÷			Hertz
			Standard		306-0956	. 1	347 Volt, 50/60 Hertz
	306-1875	1	110/120 Volt, 50/60 Hertz		306-0958	1	440/480 Volt, 50/60 Hert
	306-1876	1	208/220 Volt, 50/60 Hertz				Begin Spec C
	306-1876	1	240 Volt, 60 Hertz				Standard
	306-1877	1	240 Volt, 50 Hertz		306-1865	1	110/120 Volt, 50/60 Hert
	306-1878	1	347 Volt, 50/60 Hertz		306-1866	1	208/220 Volt, 50/60 Hert
	306-1879	1	440/480 Volt, 50/60 Hertz		306-1866	1	240 Volt, 60 Hertz
	200-1019	ı	Rear Connected		306-1867	1	240 Volt, 50 Hertz
	306-1880	1	110/120 Volt, 50/60 Hertz		306-1868	1	347 Volt, 50/60 Hertz
	300~1000	. '	110/120 VOIL 30/00 HEILE		000 1000	<u>.</u>	440/400 Mail E0/00 Hank

### TRANSFER SWITCH ASSEMBLY (2 AND 3 POLE)

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REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
			Rear Connected	14	306-0641	1	Cover, Auxiliary Switch
	306-1870	1	110/120 Volt, 50/60 Hertz			_	(Includes Toggle Switch)
	306-1871	1	208/220 Volt, 50/60 Hertz	15	815-0364	4	Screw, Machine - Round Head
	306-1871	1	240 Volt, 60 Hertz	4.0			W/ET (#10-32 x 1/2")
	306-1872	1	240 Volt, 50 Hertz	16	98-3107	1	Label, Instruction
	306-1873	1	347 Volt, 50/60 Hertz	17	332-0942	10	Tie, Cable
	306-1874	1	440/480 Volt, 50/60 Hertz	18	332-2211	3	Terminal
1	SWITCHING	ASSEMB	LY (SEE SEPARATE GROUP FOR	19	BREAKER, C	IRCUIT	
•	COMPONEN	TS)			320-0612	1	110/120 Volt, 50/60 Hertz
			Specs A and B		320-0609	1	208/220/240 Volt, 50/60 Hertz
	306-0928	1	2 Pole, 1 Phase - Standard		320-0608	1	347 Volt, 50/60 Hertz
	306-0930	1	2 Pole, 1 Phase - Rear		320-0606	1 .	440/480 Volt, 50/60 Hertz
			Connected	20	812-0063	2	Screw, Machine - Round Head
	306-0924	1	3 Pole, 3 Phase - Standard			_	(#6-32 x 1/2")
	306-0926	1	3 Pole, 3 Phase - Rear	21	860-0003	2	Nut, Hex (#6-32)
			Connected	22	812-0084	2	Screw, Machine - Round Head
			Begin Spec C				(#6-32 x 1")
	306-1859	1	2 Pole, 1 Phase - Standard	23	336-2787	1	Lead - 347/440/480 Volt,
	306-1860	1	2 Pole, 1 Phase - Rear				50/60 Hertz
			Connected	24	338-1041	1	Harness, Wiring (Includes
	306-1857	1	3 Pole, 3 Phase - Standard				Terminal Block)
	306-1858	1	3 Pole, 3 Phase - Rear	24A	332-1541	1	Block, Terminal (Part of
			Connected				Wiring Harness)
3	815-0496	12	Screw, Machine - Round Head	25	CAPACITOR		
			W/IT (#8-32 x 3/4")		312-0209	1 .	110/120 Voit, 50/60 Hertz
4	853-0003	2	Washer, Lock - ET (#6)		312-0204	1	208/220/240 Volt, 50/60 Hertz
5	306-1378	1	Cover, Load		312-0204	2	347 Volt, 50/60 Hertz
6	ACTUATOR,	LINEAR			312-0203	2	440/480 Volt, 50/60 Hertz
	306-0794	1	110/120 Volt, 50/60 Hertz	26			AT HEAD (#10-32 x 7/8")
	306-0799	1	208/220/240 Volt, 50/60 Hertz		815-0165	2	110/120/208/220/240 Volt,
	306-0798	1	347 Volt, 50/60 Hertz				50/60 Hertz
	306-0797	1	440/480 Volt, 50/60 Hertz		815-0165	4	347/440/480 Volt, 50/60 Hertz
7	800-0185	4	Screw, Cap - Hex Head	27			ERNAL TOOTH (#10)
			(1/4-20 x 5-1/2")		855-0008	2	110/120/208/220/240 Volt,
8	850-0040	4	Washer, Lock - Spring (1/4")				50/60 Hertz
9	306-0564	2	Cover, Contacts		855-0008	4	347/440/480 Volt, 50/60 Hertz
11	800-0030	2	Screw, Cap - Hex Head	32	306-0336	4	Spacer, Actuator Mounting
			(5/16-18 x 1-1/4")	33	306-0435	1	Rod, Actuator
12	850-0045	2	Washer, Lock - Spring (5/16")	34	306-0563	1	Cover, Actuator

### TRANSFER SWITCH ASSEMBLY (2 AND 3 POLE PROGRAMMED TRANSITION)



REF. NO.	PART NO	QTY. USED	PART DESCRIPTION		REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	SWITCH AS	SEMBLY, T	RANSFER (COMPLETE)		1	SWITCHING	ASSEMBI	LY (See Separate Group for
			2 Pole			Components		•
			Standard			306-1411	1	2 Pole, 1 Phase, Standard
	306-1311	. 1	208/220 Volt, 50/60 Hertz			306-1412	1 1	2 Pole, 1 Phase - Rear
	306-1311	1	240 Volt, 60 Hertz					Connected
1	306-1312	1 -	0.61(1) = 0.11 1			306-1409	1 '	3 Pole, 3 Phase - Standard
	306-1313	1	347 Volt, 50/60 Hertz			306-1410	1	3 Pole, 3 Phase - Rear
	306-1314	1	440/480 Volt, 50/60 Hertz					Connected
			Rear Connected		2			Relay Assembly (Consists of
	306-1316	1	208/220 Volt, 50/60 Hertz					Parts Marked *)
	306-1316	1	240 Volt, 60 Hertz			301-4577	1	*Bracket, Relay Mounting
	306-1317	1	240 Volt, 50 Hertz		•	PELAY TIME	DELAY/	ncludes Mounting
	306-1318	1	347 Volt, 50/60 Hertz			Hardware)	DELAT (	riciades Mounting
	306-1319	1	440/480 Volt, 50/60 Hertz			307-1628	1	208/220 Volt, 50/60 Hertz
			3 Pole			307-1628	1	240 Volt, 60 Hertz
			Standard			307-1629	1	240 Volt, 50 Hertz
	306-1301	1	208/220 Volt, 50/60 Hertz			307-1630	1	347 Volt, 50/60 Hertz
	306-1301	1	240 Volt, 60 Hertz			307-1631	1	440/480 Volt, 50/60 Hertz
	306-1302	. 1	240 Volt, 50 Hertz	1	3	815-0496	16	Screw, Machine - Round Hea
	306-1303	. 1	347 Volt, 50/60 Hertz		O	1 1 1 1 1 1 1		W/IT (#8-32 x 3/4")
100	306-1304	1	440/480 Volt, 50/60 Hertz		5	306-1639	1	Cover, Load
			Rear Connected			1000		O0101, 2000
	306-1306	1	208/220 Volt, 50/60 Hertz		6	ACTUATOR,	LINEAR	
	306-1306	1	240 Volt, 60 Hertz			306-799	1	208/220/240 Volt, 50/60
	306-1307	1	240 Volt, 50 Hertz					Hertz
	306-1308	1	347 Volt, 50/60 Hertz			306-798	1	347 Volt, 50/60 Hertz
	306-1309	1	440/480 Volt, 50/60 Hertz			306-797	1	440/480 Volt, 50/60 Hertz

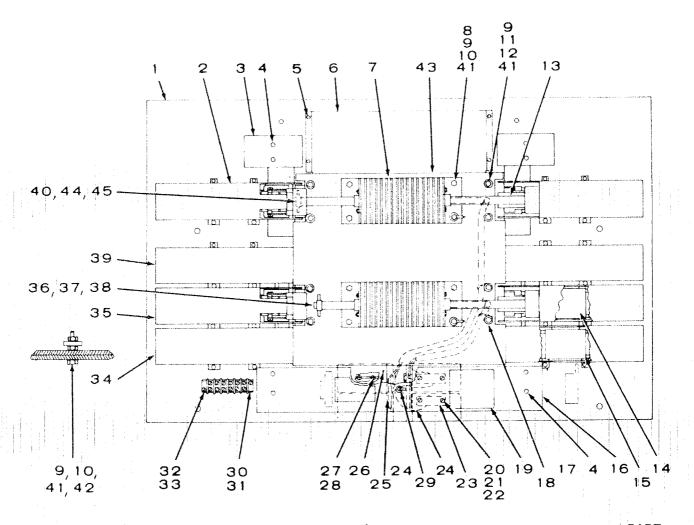
### TRANSFER SWITCH ASSEMBLY (2 AND 3 POLE PROGRAMMED TRANSITION)

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REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
7	800-0017	4	Screw, Cap - Hex Head (1/4-20 x 3-1/2")	23	336-2787	1	Lead (347/440/480 Volt, 50/60 Hertz)
8	850-0040	8	Washer, Lock - Spring (1/4")	24	338-1113	1	Harness, Wiring (Includes
9	306-1373	1	Cover, Contacts				Terminal Block)
10	306-1637	1	Plate, Motor Mounting	24A	332-1541	1	Block, Terminal (Part of
11	800-0030	2	Screw, Cap - Hex Head				Wiring Harness)
			(5/16-18 x 1-1/4")	25	CAPACITOR	₹ .	
12	526-0115	2	Washer, Flat (11/22" ID x		312-0204	· 1	208/220/240 Volt, 50/60 Hertz
			11/16" OD x 1/16" Thk)		312-0204	2	347 Volt, 50/60 Hertz
13	306-1418	2	Rod End, Actuator		312-0203	2	440/480 Volt, 50/60 Hertz
14	306-0641	1	Cover, Auxiliary Switch	26	SCREW, MA	CHINE-FI	_AT HEAD (#10-32 x 3/4")
			(Includes Switch & Lead)		815-0165	2	208/220/240 Volt, 50/60 Hertz
15	815-0364	4	Screw, Machine - Round Head		815-0165	4	347/440/480 Volt, 50/60 Hertz
			W/ET (#10-32 x 1/2")	27	WASHER, LO	OCK - EXT	ERNAL TOOTH (#10)
16	98-3107	1	Label, Instruction		855-0008	2	208/220/240 Volt, 50/60 Hertz
17	332-0942	10	Tie, Cable		855-0008	4	347/440/480 Volt, 50/60 Hertz
18	332-2211	3	Terminal	30	800-0544	4	Screw, Cap - Hex Head
19	BREAKER, C	CIRCUIT					(1/4-20 x 5/8")
	320-0609	1	208/220/240 Volt 50/60 HZ	31	862-0001	4	Nut, Hex (1/4-20)
	320-0608	1	347 Volt, 50/60 Hertz	32	306-1370	4	Spacer, Actuator Mounting
	320-0606	1	440/480 Volt, 50/60 Hertz	33	306-1371	1	Rod, Actuator
20	812-0063	2	Screw, Machine - Round Head (#6-32 x 1/2")	34	306-1638	1	Cover, Actuator
21	860-0006	2	Nut, Hex (#6-32)	* -	Parts Include	ed in Relay	Assembly.
22	812-0084	2	Screw, Machine - Round Head				

### TRANSFER SWITCH ASSEMBLY (4 POLE)

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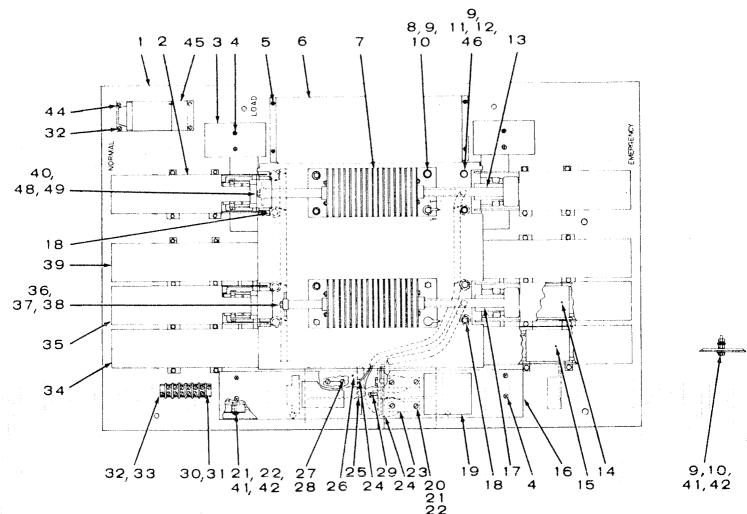
REF.	PART NO	QTY. USED	PART DESCRIPTION	REF NO.	PART NO.	QTY. USED	PART DESCRIPTION
	SWITCH ASS	EMBLY, 1	FRANSFER (COMPLETE)	12	306-1978	8	Spacer, Actuator Mounting
			Standard	.13	306-1475	- 1	Rod, Actuator
	306-1495	1	208/220/240 Volt, 50/60	14	306-1038	. 2	Barrier, Arc Chute
			Hertz	15	306-1041	4	Barrier, Arc Chute
	306-1496	1	347 Volt, 50/60 Hertz	16	306-1580	1	Cover, Auxiliary Switch
	306-1497	1	440/480 Volt, 50/60 Hertz	17	306-1474	1	Rod, Actuator
			Rear Connected	18	332-0942	10	Tie, Cable
	306-1498	1	208/220/240 Volt, 50/60	19	98-3107	1	Label, Instruction
			Hertz	20	812-0063	4	Screw, Machine - Round Head
	306-1499	1	347 Volt, 50/60 Hertz				(#6-32 × 1/2")
	306-1500	1	440/480 Volt, 50/60 Hertz	21	853-0003	4	Washer, Lock - ET (#6)
1	SWITCHING	ASSEMB	LY (See Separate Group for	22	860-0006	4	Nut, Hex (#6-32)
	Components			23	BREAKER.	CIRCUIT	
	306-1483	-1	Standard		320-0611	2	208/220/240 Volt, 50/60
	306-1484	1	Rear Connected				Hertz
2	306-1433	2	Cover, Contact		320-0608	2	347 Volt, 50/60 Hertz
3	306-1430	2	Cover, Auxiliary Switch		320-0609	2	440/480 Volt, 50/60 Hertz
4	815-0364	8	Screw, Machine - Round Head	24	332-2211	6	Terminal
			x Recessed W/ET (#10-32 x 1/2")	25	336-2787	2	Lead - 347/440/480 Volt,
5	812-0082	4	Screw, Machine - Round Head				50/60 Hertz Units
			(#8-32 x 3/4")	26	CAPACITO	)R	
6	306-1434	1	Cover, Load		312-0218	2	208/220/240 Volt, 50/60 Hertz
7	ACTUATOR,	LINEAR			312-0205	4	347 Volt, 50/60 Hertz
Service Control	306-0843	2	208/220/240 Volt, 50/60	194	312-0204	4	440/480 Volt, 50/60 Hertz
			Hertz				
	306-0842	2	347 Volt, 50/60 Hertz	27	SCREW, M	ACHINE - FI	LAT HEAD X RECESSED
. Hakk	306-0841	2	440/480 Volt. 50/60 Hertz		(#10-32 x 7	/8")	
8	800-0004	6	Screw, Cap - Hex Head		815-0165	4	208/220/240 Volt, 50/60 Hertz
			(1/4-20 x 5/8")		815-0165	8	347/440/480 Volt, 50/60 Hertz
9	850-0040	20	Washer, Lock - Spring	28	WASHER	LOCK - ET (	<b>#10)</b>
10	862-0001	10	Nut, Hex (1/4-20)		855-0008	4	208/220/240 Volt, 50/60 Hertz
11	800-0187	8	Screw, Cap - Hex Head		855-0008	8	347/440/480 Volt, 50/60 Hertz
		hoddii	(1/4-20 × 5")	29	308-0406	1	Switch, Auxiliary

### TRANSFER SWITCH ASSEMBLY (4 POLE)

REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
30	338-1150	1	Harness, Wiring (Includes	39	306-0333	2	Cover, Contact (RH)
			- Terminal Block)	40	800-0051	2	Screw, Cap - Hex Head
31	332-1541	1	Block, Terminal (Part of				(3/8-16 x 1-1/4")
			Wiring Harness)	41	526-0018	20	Washer, Flat (17/64" ID x
32	854-0007	2	Washer, Lock - IT (#8)				5/8" OD x 1/16" Thk)
33	812-0084	2	Screw, Machine - Round Head (#8-32 x 1")	42	800-0009	2	Screw, Cap - Hex Head (1/4-20 x 1-1/2")
34	306-0331	2	Cover, Contact (LH)	43	306-1432	1	Cover, Motor Mounting
35	306-0332	2	Cover, Contact	44	306-1647	2	Rod End, Actuator
36	306-1385	2	Rod End. Actuator	45	850-0050	2	Washer, Lock - Spring (3/8")
37	850-0045	2	Washer, Lock - Spring (5/16")				
38	800-0030	2	Screw, Cap - Hex Head (5/16-18 x 1-1/6")				

### TRANSFER SWITCH ASSEMBLY (4 POLE) - PROGRAMMED TRANSITION

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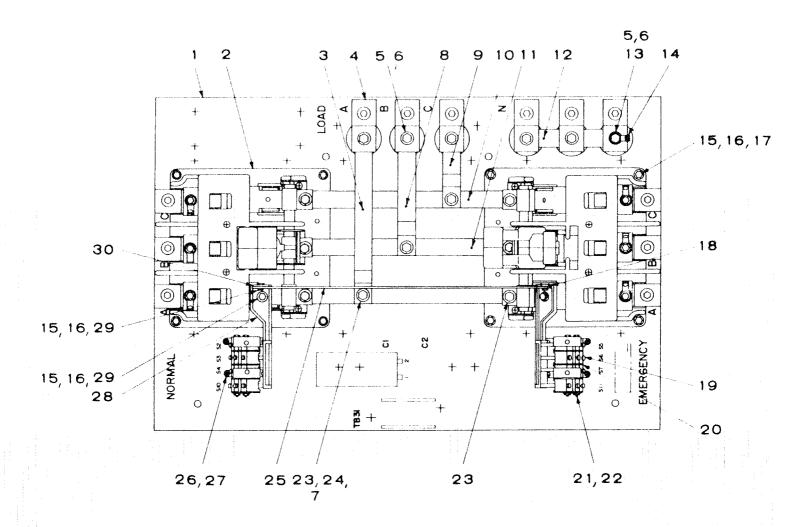
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PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	
SWITCHASS	SEMBLY, T	RANSFER (COMPLETE)	8	800-0004	8	Screw, Cap - Hex Head	
		Standard					
306-1581	1	208/220 Volt, 50/60 Hertz	9	850-0040	18		
306-1581	1	240 Volt, 60 Hertz	10	862-0001	10		
306-1582	1	240 Volt, 50 Hertz	11	800-0187	. 8		-
306-1583	1	347 Volt, 50/60 Hertz					
306-1584	1	440/480 Volt, 50/60 Hertz	12	306-1978	8		
		Rear Connected	13	306-1475	•	•	
306-1585	1	208/220 Volt, 50/60 Hertz	14	306-1038		•	
306-1585	1	240 Volt, 60 Hertz	15	306-1041	4		
306-1586	1	240 Volt, 50 Hertz	16	306-1580	1	· · · · · · · · · · · · · · · · · · ·	
306-1587	1	347 Volt, 50/60 Hertz	17	306-1474	1		
306-1588	1 -	440/480 Volt, 50/60 Hertz	18	332-0821	. 7		
SWITCHING	ACCEMBI	V (See Separate Group for	19	98-3107	1		
		Li (See Separate Croup to	20	812-0063	4	the state of the s	
•	9 <i>)</i> 1	Standard					
	1		21				
	2		22		•	Nut, Hex (#6-32)	
			23				
010-0004							1
812-0082	4						
012 0002							
306-1434	1	Cover, Load	25	336-2787	2	Lead - 347/440/480 Volt, 50/60 Hertz	
ACTUATOR	LINEAR		26	CAPACITOR			
306-0843	2	208/220/240 Volt, 50/60 Hertz		312-0218	2		
306-0842	2 .	347 Volt, 50/60 Hertz		312-0205	4	347 Volt, 50/60 Hertz	
306-0841	2	440/480 Volt. 50/60 Hertz		312-0204	4	440/480 Volt, 50/60 Hertz	
	NO. SWITCH ASS 306-1581 306-1581 306-1582 306-1583 306-1585 306-1585 306-1586 306-1587 306-1588 SWITCHING Components 306-1483 306-1433 306-1430 812-0082 306-1434 ACTUATOR 306-0843 306-0842	NO. USED SWITCH ASSEMBLY, T  306-1581 1 306-1581 1 306-1582 1 306-1583 1 306-1584 1  306-1585 1 306-1585 1 306-1586 1 306-1586 1 306-1587 1 306-1588 1 SWITCHING ASSEMBLE Components) 306-1484 1 306-1483 2 306-1430 2 815-0364 8  812-0082 4  306-1434 1  ACTUATOR, LINEAR 306-0843 2 306-0842 2	NO. USED DESCRIPTION  SWITCH ASSEMBLY, TRANSFER (COMPLETE)  Standard  306-1581 1 208/220 Volt, 50/60 Hertz  306-1581 1 240 Volt, 60 Hertz  306-1582 1 240 Volt, 50/60 Hertz  306-1583 1 347 Volt, 50/60 Hertz  306-1584 1 440/480 Volt, 50/60 Hertz  Rear Connected  306-1585 1 208/220 Volt, 50/60 Hertz  306-1585 1 240 Volt, 60 Hertz  306-1586 1 240 Volt, 50 Hertz  306-1587 1 347 Volt, 50/60 Hertz  306-1588 1 440/480 Volt, 50/60 Hertz  SWITCHING ASSEMBLY (See Separate Group for Components)  306-1483 1 Standard  306-1484 1 Rear Connected  306-1430 2 Cover, Contact  306-1430 2 Cover, Auxiliary Switch  815-0364 8 Screw, Machine - Round Head  (#10-32 x 1/2")  812-0082 4 Screw, Machine - Round Head  (#8-32 x 3/4")  306-1434 1 Cover, Load  ACTUATOR, LINEAR  306-0843 2 208/220/240 Volt, 50/60 Hertz  306-0842 2 347 Volt, 50/60 Hertz	PART NO.         QTY. USED         PART DESCRIPTION         REF. NO.           SWITCH ASSEMBLY, TRANSFER (COMPLETE)         8           306-1581         1         208/220 Volt, 50/60 Hertz         9           306-1581         1         240 Volt, 50 Hertz         10           306-1582         1         240 Volt, 50 Hertz         11           306-1583         1         347 Volt, 50/60 Hertz         12           306-1584         1         440/480 Volt, 50/60 Hertz         12           306-1585         1         208/220 Volt, 50/60 Hertz         14           306-1585         1         240 Volt, 60 Hertz         15           306-1586         1         240 Volt, 50 Hertz         16           306-1587         1         347 Volt, 50/60 Hertz         17           306-1588         1         440/480 Volt, 50/60 Hertz         18           SWITCHING ASSEMBLY (See Separate Group for Components)         20         19           306-1483         1         Standard         21           306-1484         1         Rear Connected         21           306-1430         2         Cover, Contact         23           306-1430         2         Cover, Auxiliary Switch         23	PART   QTY.   PART   NO.   NO.   NO.	PART   QTY.   PART   NO.   NO.   USED   DESCRIPTION   NO.   NO.   USED	PART   QTY.   DESCRIPTION   NO.   NO.   USED   DESCRIPTION   NO.   NO.   USED   DESCRIPTION

## TRANSFER SWITCH ASSEMBLY (4 POLE) - PROGRAMMED TRANSITION

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-	e-incomelectors	WHEN THE PARTY AND					

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
27	SCREW, MAG	CHINE - FL	AT HEAD X RECESSED	39	306-0333	2	Cover, Contact (RH)
	(#10-32 x 7/8'	")		40	800-0051	2	Screw, Cap - Hex Head
	815-0165	4	208/220/240 Volt, 50/60 Hertz				(3/8-16 x 1-1/4")
	815-0165	8	347/440/480 Volt, 50/60 Hertz	41	306-0281	4	Barrier, Switch
28	WASHER, LC	OCK - ET C	OUNTER SUNK (#10)	42	309-0297	2	Switch, Snap Action
	855-0008	4	208/220/240 Volt, 50/60 Hertz	43	812-0082	4	Screw, Machine - Round Head
	855-0008	8	347/440/480 Volt, 50/60 Hertz				(#8-32 x 3/4")
29	308-0406	1	Switch, Toggle				
30	338-1154	1	Harness, Wiring (Includes	44	RELAY, TIMI	EDELAY	
			Terminal Block)		307-1628	- 1	208/220 Volt, 50/60 Hertz
31	332-1541	1	Block, Terminal (Part of		307-1628	1	240 Volt, 60 Hertz
			Wiring Harness)		307-1629	1	240 Volt, 50 Hertz
32	854-0007	6	Washer, Lock - IT (#8)		307-1630	1	347 Volt, 50/60 Hertz
33	812-0084	2	Screw, Machine - Round Head		307-1631	1	440/480 Volt, 50/60 Hertz
			(#8-32 x 1")	45	301-4577	1	Bracket, Relay Mounting
34	306-0331	2	Cover, Contact (LH)	46	526-0018	20	Washer, Flat (17/64" ID x
35	306-0332	2	Cover, Contact				5/8" OD x 1/16" Thk)
36	306-1385	2	Rod End Actuator	47	800-0009	2	Screw, Cap - Hex Head
37	850-0045	Š	Washer, Lock - Spring (5/16")				(1/4-20 x 1-1/2")
38	800-0030	2	Screw, Cap - Hex Head	48	850-0050	2	Washer, Lock - Spring (3/8")
			(5/16-18 x 1-1/4")	49	306-1647	2	Rod End, Actuator

### **SWITCHING ASSEMBLY (2 AND 3 POLE)**

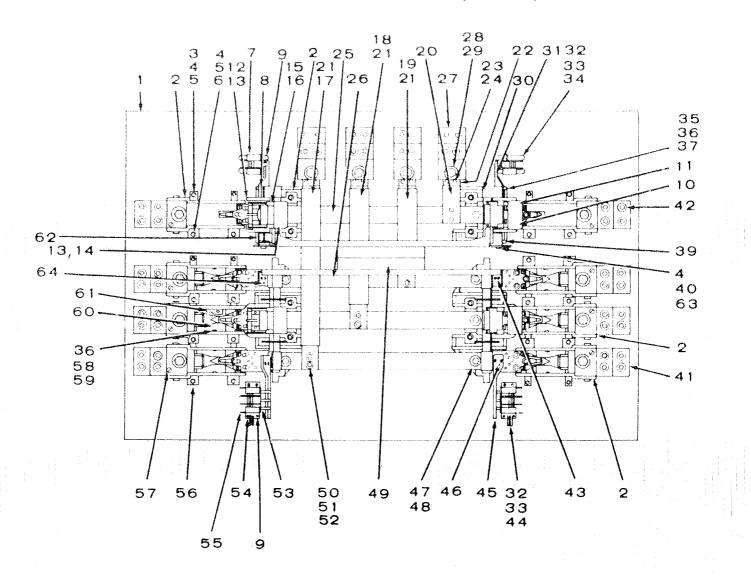


REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF.		QTY. USED	PART DESCRIPTION
	SWITCHING	G ASSEMBL	Y (COMPLETE)	.1	BASE		
	la de la companya de		Units Without Programmed				Units Without Programmed
			Transition				Transition
			Specs A and B		306-1098	1 -	Standard Connected
	306-0928	1	2 Pole, 1 Phase - Standard		306-1099	1	Rear Connected
	306-0930	1	2 Pole, 1 Phase - Rear				Units With Programmed
			Connected				Transition
	306-0924	11	3 Pole, 3 Phase - Standard		306-1643	1	2 Pole, 1 Phase Standard
	306-0926	1 .	3 Pole, 3 Phase - Rear		306-1645	1	2 Pole, 1 Phase - Rear
			Connected				Connected
			Begin Spec C		306-1642	1	3 Pole, 3 Phase - Standard
	306-1859	1	2 Pole, 1 Phase - Standard		306-1644	1	3 Pole, 3 Phase - Rear
	306-1860	1	2 Pole, 1 Phase - Rear				Connected
			Connected				_
	306-1857	1	3 Pole, 3 Phase - Standard	2			AR ASSEMBLY (See Separate Groi
	306-1858	1	3 Pole, 3 Phase - Rear		for Componer	nts)	
			Connected				Units Without Programmed
			Units With Programmed				ransition
			Transition				Specs A and B
	306-1411	1	2 Pole, 1 Phase - Standard		306-1394	2	2 Pole, 1 Phase - Standard
	306-1412	1	2 Pole, 1 Phase - Rear		306-0573	2	2 Pole, 1 Phase - Rear
			Connected				Connected
1.1	306-1409	1	3 Pole, 3 Phase - Standard		306-1395	2	3 Pole, 3 Phase - Standard
	306-1410	<b>. 1</b>	3 Pole, 3 Phase - Rear		306-0572	2	3 Pole, 3 Phase - Rear
			Connected				Connected

### SWITCHING ASSEMBLY (2 AND 3 POLE)

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF.	PART NO.	QTY. USED	PART DESCRIPTION
			Begin Spec C				Units With Programmed
	306-1853	2	2 Pole, 1 Phase - Standard				Transition
	306-1854	2	2 Pole, 1 Phase - Rear		337-0413	1	Standard
			Connected		337-0215	1	Rear Connected
	306-1851	2	3 Pole, 3 Phase - Standard	10	STRAP, JUM	IPER	
	306-1852	2	3 Pole, 3 Phase - Rear		337-0252	2	Units Without Programmed
			Connected				Transition
			Units With Programmed		337-0415	2	Units With Programmed
			Transition				Transition
	306-1403	2	2 Pole, 1 Phase - Standard	11	STRAP, JUN	MPER - 3 P	OLE, 3 PHASE UNITS
	306-1404	2	2 Pole, 1 Phase - Rear				Units Without Programmed
	000 1101		Connected		007 0050	4	Transition
	306-1401	2	3 Pole, 3 Phase - Standard		337-0253	1	Specs A and B
	306-1402	2	3 Pole, 3 Phase - Rear		337-0252	1	Begin Spec C
2	CTDADIOA	<b>D</b>	Connected		337-0416	1	Units With Programmed Transition
3	STRAP, LOA	U	Chandand	12	STRAD NEL	ITDAL ST	ANDARD CONNECTED
	306-0674	1	Standard	12	337-0432	1	Units Without Programmed
	300-0074	1	Units Without Programmed Transition - Specs A and B	*	337-0402		Transition
	337-0440	1	Units Without Programmed		337-0417	1	Units With Programmed
	337-0440	'	Transition - Begin Spec C		007 0411	•	Transition
	337-0414	1	Units With Programmed	13	332-1913	1	Terminal, Ring (Standard
	001 0111	•	Transition				Connected)
	337-0215	1	Rear Connected	14	815-0410	1	Screw, Machine - Binder Head
4	LUG, SOLDE		Trour Cormodica				(#6-32 x 1/4") - Standard
	332-1480	5	2 Pole, 1 Phase				Connected
	332-1480	6	3 Pole, 3 Phase	15	854-0014	12	Washer, Lock - IT (1/4")
5	SCREW, CAP		AD W/CONE WASHER (5/16-18 x 1") -	16	526-0015	12	Washer, Flat (9/32" ID x
	<b>UNITS WITH</b>	<b>OUT PRO</b>	GRAMMED TRANSITION				9/16" OD x 1/16" Thk) - Units
	815-0459	5	2 Pole, 1 Phase - Standard				With Programmed Transition
	815-0459	6	2 Pole, 1 Phase - Rear Connected	17	800-0009	8	Screw, Cap - Hex Head
	815-0459	6	3 Pole, 3 Phase - Standard				(1/4-20 x 1-1/2")
	815-0459	9	3 Pole, 3 Phase - Rear Connected	18	306-0510	1	Arm, Interlock Assembly
5	SCREW, CAP	P-HEX HE	AD (5/16-18 x 7/8") -	19	SWITCH, SN		
			MMED TRANSITION		309-0297	6	Units Without Programmed
	800-0027	5	2 Pole, 1 Phase - Standard		200 0207	0	Transition
	800-0027	6	3 Pole, 3 Phase - Standard		309-0297	8	Units With Programmed Transition
6			ING (5/16") - UNITS WITH	20	BARRIER, SI	MITCH	Hallsition
	PROGRAMM			20	306-0281	8	Units Without Programmed
	851-0028	6	2 Pole, 1 Phase - Standard		300-0201	O	Transition
8	851-0028	5	3 Pole, 3 Phase - Standard 5,3 PHASE UNITS		306-0281	12	Units With Programmed
O	STRAF, LOAI	D-3FOLE	Units Without Programmed		000 020.		Transition
			Transition	2.1	815-0478	4	Screw, Cap - Hex Head
			Specs A and B				(#6-32 x 3-1/2")
	337-0675	1	Standard	22	870-0183	4	Nut, Hex - W/ET (#6-32)
	337-0215	1	Rear Connected	23	SCREW, CAR	P - HEX HE	AD W/CONE WASHER (5/16-18 x 1")
	<del></del>		Begin Spec C		815-0459	6	2 Pole, 1 Phase
	337-0439	1	Standard		815-0459	9	3 Pole, 3 Phase
	337-0215	1	Rear Connected	24	NUT, HEX (5.	/16-18)	
			Units With Programmed		862-0015	2	2 Pole, 1 Phase
			Transition		862-0015	3	3 Pole, 3 Phase
	337-0413	1	Standard	25	BAR, INTER		
	337-0215	1	Rear Connected		306-0399	1	Units Without Programmed Transition
9	STRAP, LOA	۸D			306-1636	1	Units With Programmed
	,		Units Without Programmed				Transition
			Transition	26	306-0258	4	Bracket, Accessory Switch
			Specs A and B	27	815-0447	.8	Screw, Machine - Round Head
	337-0255	1	Standard				W/IT (#8-32 x 3/4")
	337-0215	1	Rear Connected	28	306-0565	2	Lever
			Begin Spec C	29	800-0004	4	Screw, Cap - Hex Head
	337-0433	,1	Standard		000 0500		(1/4-20 × 5/8")
	337-0215	1	Rear Connected	30	306-0509	1	Arm, Interlock Assembly

#### SWITCHING ASSEMBLY (4 POLE)

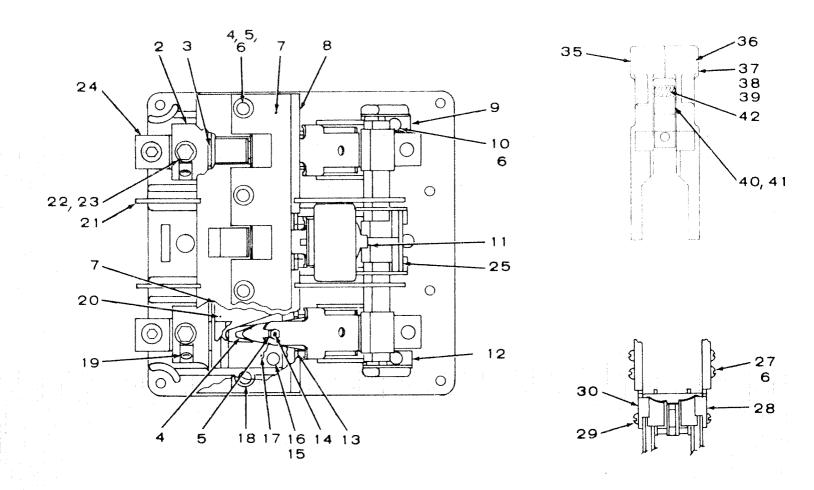


REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	SWITCHING	ASSEMBI	LY (COMPLETE)	17	STRAP, LOAD		
	306-1483	ï · 1	Standard		306-1446	1	Standard (Includes Parts
	306-1484	1	Rear Connected				Marked *)
1	BASE, SWIT	CH			337-0395	1	Rear Connected
	306-1472	1	Standard	18	STRAP, LOAD		
: : .	306-1482	. 1 .	Rear Connected		306-1447	1 1	Standard (Includes Parts
2	306-1836	2	Kit, Contact Replacement				Marked *)
3	800-0007	22	Screw, Cap - Hex Head		337-0395	. 1	Rear Connected
			(1/4-20 × 1")	19	STRAP, LOAD		
4	526-0018	44	Washer, Flat (17/64" ID x 5/8" OD x 1/16" Thk)		306-1448	1	Standard (Includes Parts Marked *)
- 5	854-0014	40	Washer, Lock - IT (1/4")		337-0395	1	Rear Connected
6	800-0008	16	Screw, Cap - Hex Head (1/4-20 x 1-1/4")	20	STRAP, LOAD	4	Character (1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
7	306-1431	4	Bracket, Accessory Switch		306-1440	1	Standard (Includes Parts
8	306-1427	2	Spacer, Lever		337-0395	4	Marked Δ) Rear Connected
9	812-0082	16	Screw, Machine - Round Head	21	898-1082	3	
Ü	0.5 0005		(#8-32 x 3/4")	22	306-0313	-	*Insulator, Sleeving *∆Bar, Stop
- 10	306-0643	4	Handle, Actuator - Half -	23	815-0046		
			Right Side	23	613-0046	0	*∆Screw, Machine - Phillips Head X Recessed (#8-32 x 3/8"
11	306-0644	- 4	Handle, Actuator - Half -	24	854-0007	8 '	*∆Washer, Lock - IT (#8)
1			Left Side	25	337-0358	2	Strap, Jumper
12	813-0109	4	Screw, Machine - Round Head	26	337-0359	2 .	Strap, Jumper
		1	(#10-32 x 1-3/4")	27	332-2017	4	Lug, Solderless - Standard
13	870-0298	8	Nut, Hex - Self Locking				Units
			(#10-32)	. 28	800-0092	4	Screw, Cap - Hex Head
14	813-0110	.4	Screw, Machine - Round Head (#10-32 x 2")				(1/2-13 x 1-1/2") - Standard Units
15	815-0485	2	Screw, Machine - Shoulder	29	851-0023	4	Washer, Lock - Spring (1/2") -
16	850-0030	2	Washer, Lock - Spring (#10)	,20	001 0020		Standard Units

### **SWITCHING ASSEMBLY (4 POLE)**

REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
30	306-1426	2	Bracket, Lever	47	800-0051	8	Screw, Cap - Hex Head
31	306-1420	2	Lever				$(3/8-16 \times 1-1/4")$
32	812-0070	4	Screw, Machine - Round Head	48	851-0022	8	Washer, Lock - Spring (3/8")
			(#6-32 x 1-1/4")	49	306-1473	1	Bar, Interlock
33	850-0020	8	Washer, Lock (#6)	50	815-0459	4	Screw, Cap - Hex Head
34	860-0005	8	Nut, Hex (#6-32)				(5/16-18 x 1")
35	812-0085	4	Screw, Machine - Round Head	51	850-0045	4	Washer, Lock - Spring (5/16")
1 1			(#8-32 x 1-1/4")	52	862-0015	4	Nut, Hex (5/16-18)
36	854-0007	20	Washer, Lock - IT (#8)	53	308-0297	8	Switch, Snap Action
37	860-0008	8	Nut, Hex (#8-32)	54	306-0636	4	Bracket, Auxiliary Switch
39	306-1423	2	Bracket, Interlock Bar	55	306-0281	12	Barrier, Switch
40	800-0003	4	Screw, Cap - Hex Head	56	166-0122	8	Spacer, Mounting Screw
		_	(1/4-20 x 1/2")	57	815-0127	8	Screw, Binder Head
41	332-2065	6	Lug, Solderless - Standard			40	(#8-32 x 3/8")
			Units	58	812-0087	12	Screw, Machine - Round Head
41	337-0317	6	Strap - Rear Connected Units				(#10-32 x 1-1/2")
42	332-2065	2	Lug, Solderless - Standard	59	526-0048	12	Washer, Flat (#8)
			Units	60	306-0320	6	Chute, Arc
42	337-0394	2	Strap - Rear Connected Units	61	306-0668	12	Spacer, Arc Chute
43	815-0446	4	Screw, Machine - X Recessed	62	306-1424	2	Spacer, Interlock
			W/IT (#8-32 x 1/2")	63	850-0040	4	Washer, Lock - Spring (1/4")
44	815-0478	4	Screw, Cap - Hex Head (#6-32 x 3-1/2")	64	306-0508	4	Arm, Interlock Assembly
45	306-0253	2	Lever	* -	Parts Includ	ed in 306-1	446, 306-1449 and 306-1448
46	815-0447	4	Screw, Machine - Round Head - X Recessed W/IT (#8-32 x 3/4")	Δ -	Load Strap A Parts Includ		s. 440 Load Strap Assembly.

#### BLOCK AND CROSS BAR ASSEMBLY (2 AND 3 POLE) -WITHOUT PROGRAMMED TRANSITION - SPECS A AND B



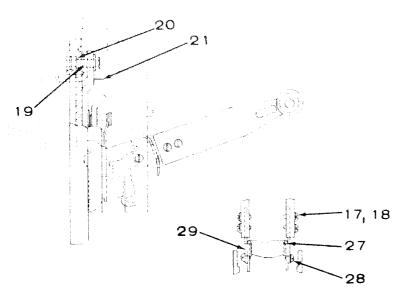
**PART** 

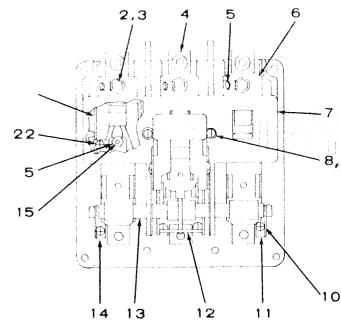
REF NO		QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	BLOCK AND	CROSS	BAR ASSEMBLY - COMPLETE	11	CROSSBAR	ASSEMBL	Υ
	306-1394	2	2 Pole, 1 Phase - Standard		306-1375	2	2 Pole, 1 Phase
	306-0573	2	2 Pole, 1 Phase - Rear Connected		306-0383	2	3 Pole, 3 Phase
	306-1395	2	3 Pole, 3 Phase - Standard	12	306-0382	2	Support, LH
	306-0572	2	3 Pole, 3 Phase - Rear Connected	13	BARRIER, CO	ONTACTS	
2	STRAP, LIN	E			306-0617	4	2 Pole, 1 Phase
	306-0570	4	2 Pole, 1 Phase		306-0617	6	3 Pole, 3 Phase
	306-0570	6	3 Pole, 3 Phase	14	815-0157	3	Screw, Machine - Socket Head
3	BARRIER, A	RC CHUT	Ė.				(#10-32 x 1/4")
	306-0571	- 4	2 Pole, 1 Phase				
	306-0571	6	3 Pole, 3 Phase	15			AT HEAD W/ET (#8-32 x 5/8")
4	815-0458	8	Screw, Machine - Pan Head		815-0451	8	2 Pole, 1 Phase
			(#10-32 x 3-1/4")		815-0451	12	3 Pole, 3 Phase
- 5	526-0009	8	Washer, Flat (7/32" ID x	16	NUT, HEX (#	,	
			1/2" OD x 1/16" Thk)		860-0008	8	2 Pole, 1 Phase
6	870-0053	28	Nut, Hex (#10-32)		860-0008	12	3 Pole, 3 Phase
7	306-0663	2	Barrier, Arc Chute	1.7	BARRIER LI		
8	306-0491	2	Shield, Arc Chute		306-0662	4	2 Pole, 1 Phase
9	306-0384	2	Support, RH		306-0662	6	3 Pole, 3 Phase
10	815-0449	12	Screw, Machine - Round Head	18	306-0601	4	Spacer
			W/ET (#10-32 x 3/4")	. 19			INDER HEAD (#6-32 x 1/4")
					815-0410	4	2 Pole, 1 Phase
					815-0410	6	3 Pole, 3 Phase

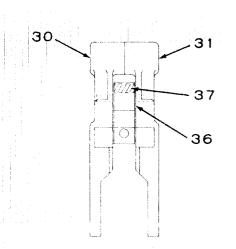
## BLOCK AND CROSS BAR ASSEMBLY (2 AND 3 POLE) - WITHOUT PROGRAMMED TRANSITION - SPECS A AND B

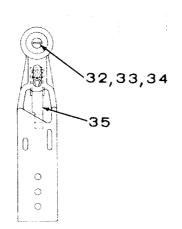
REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
20	CHUTE, ARC			25	306-0381	2	Lock, Trigger
20	306-0387	4	2 Pole, 1 Phase	27	815-0364	8	Screw, Machine - Round Head
21	306-0387 306-0368	6 4	3 Pole, 3 Phase Separator, Arc Chute	28	306-0568	2	W/ET (#10-32 x 1/2") Adapter, Handle
22	TERMINAL, RI 332-1913		2 Pole, 1 Phase	29	815-0488	4	Screw, Machine - Round Head W/ET (#10-32 x 1/4")
	332-1913	4 6	3 Pole, 3 Phase	30	306-0567	2	Adapter, Handle
23	SCREW, CAP - 815-0459	- HEX HE 4	AD W/CONICAL (5/16-18 x 1") 2 Pole, 1 Phase	34		FLAT (21/64" ected Units	ID x 1" OD x 1/16" Thk) -
	815-0459	6	3 Pole, 3 Phase		526-0041	2	2 Pole, 1 Phase
24	LUG, SOLDER	LESS			526-0041	3 ,	3 Pole, 3 Phase
	332-1480	4	2 Pole, 1 Phase - Standard Connected	35 36	306-0793 306-0791	2 2	Handle, Switch (RH) Handle, Switch (LH)
	332-1480	6	3 Pole, 3 Phase - Standard Connected	37	813-0109	, 2	Screw, Machine - Round Head (#10-32 x 1-3/4")
24	STRAP, LOAD		Someotod	38	850-0030	2	Washer, Lock - Spring (#10)
_ `	337-0215	4	2 Pole, 1 Phase - Rear	39	870-0200	2	Nut, Hex (#10-32)
			Connected	40	306-0286	2	Rod End, Actuator
	337-0215	6	3 Pole, 3 Phase - Rear Connected	41 42	306-1388 306-1389	2 2	Guard, Finger Spacer

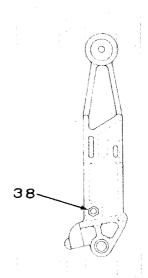
# BLOCK AND CROSS BAR ASSEMBLY (2 AND 3 POLE) WITHOUT PROGRAMMED TRANSITION - BEGIN SPEC C AND ALL UNITS WITH PROGRAMMED TRANSITION











REF.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	BLOCK AND	CROSS BA	AR ASSEMBLY - COMPLETE Units Without Programmed Transition - Begin Spec C	2	SCREW, CAI	P - HEX HEA	AD W/CONICAL WASHER Units Without Programmed Transition - Begin Spec C
	306-1853	2	2 Pole, 1 Phase - Standard		815-0459	4	2 Pole, 1 Phase (5/16-18 x 1'
	306-1854	2	2 Pole, 1 Phase - Rear Connected		815-0459	6	3 Pole, 3 Phase (5/16-18 x 1' Units With Programmed
	306-1851	2	3 Pole, 3 Phase - Standard				Transition
	306-1852	2	3 Pole, 3 Phase - Rear		815-0507	4	2 Pole, 1 Phase (5/16-18 x 1-1/
	306-1403 306-1404 306-1401 306-1402	2 2 2	Connected Units With Programmed Transition 2 Pole, 1 Phase - Standard 2 Pole, 1 Phase - Rear Connected 3 Pole, 3 Phase - Standard 3 Pole, 3 Phase - Rear Connected	3 4 4	815-0507 TERMINAL, 332-1913 332-1913 LUG, SOLDE 332-1480 337-0215	4 6	3 Pole, 3 Phase (5/16-18 x 1-1/ 2 Pole, 1 Phase 3 Pole, 3 Phase 2 Pole, 1 Phase Standard Rear Connected 3 Pole, 3 Phase Standard

# BLOCK AND CROSS BAR ASSEMBLY (2 AND 3 POLE) WITHOUT PROGRAMMED TRANSITION - BEGIN SPEC C AND ALL UNITS WITH PROGRAMMED TRANSITION

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF.		QTY. USED	PART DESCRIPTION
5	SCREW, MACI	HINE - B	INDER HEAD (#6-32 x 1/4")	22	SCREW, MAC	HINE - FL	AT HEAD W/ET (#8-32 x 5/8")
	815-0410	4	2 Pole, 1 Phase		815-0451	8	2 Pole, 1 Phase
	815-0410	6	3 Pole, 3 Phase		815-0451	12	3 Pole, 3 Phase
6	STRAP, LINE			23	CHUTE, ARC		
	306-0570	4	2 Pole, 1 Phase		306-0387	4	2 Pole, 1 Phase
	306-0570	6	3 Pole, 3 Phase		306-0387	6	3 Pole, 3 Phase
7	306-1400	2	Barrier, Arc Chute	27	306-0567	2	Adapter, Handle (LH) - Units
8	853-0008	4	Washer, Lock - ET (#10)				Without Programmed Transi-
9	SCREW, MACI	HINE-R					tion - Begin Spec C
	813-0114	4	Units Without Programmed	28	815-0488	4	Screw, Machine - Round Head
			Transition - Begin Spec C				W/ET (#10-32 x 1/4") -
			(#10-32 x 3")				Units Without Programmed
	813-0120	4	Units With Programmed				Transition - Begin Spec C
			Transition (#10-32 x 3-1/2")	29	306-0568	2	Adapter, Handle (RH) - Units
10	815-0449	12	Screw, Machine - Round Head				Without Programmed Transi-
			W/ET (#10-32 x 3/4")				tion - Begin Spec C
11	306-0384	2	Support (RH.)	30	HANDLE, SWI		
12	306-0381	2	Lock, Trigger		306-0793	2	Units Without Programmed
13	CROSSBARA						Transition - Begin Spec C
	306-1375	2	2 Pole, 1 Phase		306-1341	2	Units With Programmed
•	306-0383	2	3 Pole, 3 Phase				Transition
14	306-0382	2	Support (LH)	31	HANDLE, SWI		
15	SCREW, MAC		OCKET HEAD (#10-32 x 3/4")		306-0791	2	Units Without Programmed
	815-0157	4	2 Pole, 1 Phase			,	Transition - Begin Spec C
	815-0157	6	3 Pole, 3 Phase		306-1342	2	Units With Programmed
17	SCREW, MACI						Transition
	815-0364	8 .	2 Pole, 1 Phase (Round Head	32	813-0109	2	Screw, Machine - Round Head
			W/ET #10-32 x 1/2")				(#10-32 x 1-3/4")
	815-0485	8	3 Pole, 3 Phase (Shoulder)	33	850-0030	2	Washer, Lock - Spring (#10) -
18	870-0053	8	Nut, Hex (#10-32) - Units				Units Without Programmed
		•	Without Programmed Transi-		. •		Transition - Begin Spec C
			tion - Begin Spec C	34	NUT, HEX (#10		
19	BUSHING				870-0200	2	Units Without Programmed
	306-1397	8	2 Pole, 1 Phase			_	Transition - Begin Spec C
	306-1397	12	3 Pole, 3 Phase		870-0298	2	Units With Programmed
20			" ID x 1" OD x 1/16" Thk) -			_	Transition (Self Locking)
	REAR CONNE		•	35	306-0286	2.	Rod End, Actuator
	526-0041	2	2 Pole, 1 Phase	36	306-1388	2.	Guard, Finger
	526-0041	3	3 Pole, 3 Phase	37	306-1389	2	Spacer
21	BARRIER, LIN			38	812-0090	2	Screw, Machine - Round Head
	306-1399	4	2 Pole, 1 Phase				(#8-32 x 2-1/4") - Units
	306-1399	6	3 Pole, 3 Phase				With Programmed Transition